



United States Department of the Interior

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION
8002 Federal Building
Salt Lake City, Utah 84138

September 14, 1978

Mr. Mike Thompson
Utah Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Thompson:

Enclosed are two copies of Utah Basic-Data Release No. 31, "Selected Hydro-logic Data, 1931-77, Wasatch Plateau-Book Cliffs Coal-Fields Area, Utah."

Additional copies of the report are available, if you should need them.

Very truly yours,

T. Arnow
District Chief

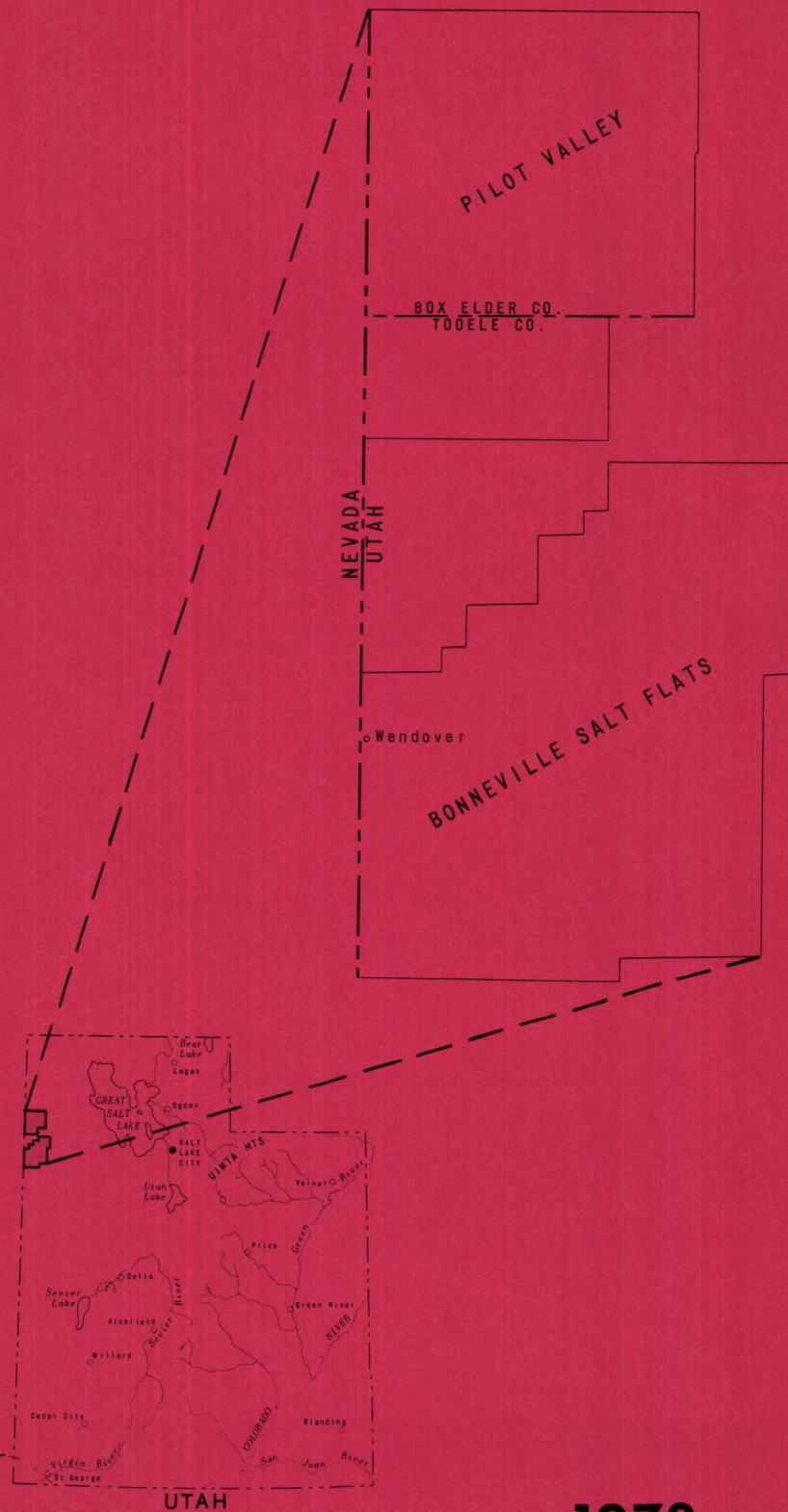
Enclosures



UTAH BASIC-DATA RELEASE NO. 30

SELECTED GROUND-WATER DATA

BONNEVILLE SALT FLATS AND PILOT VALLEY
WESTERN UTAH



1978

BASIC-DATA RELEASES: This is the thirtieth in a series of basic-data releases prepared by the U.S. Geological Survey. The basic data included in this series of reports generally consists of well and spring records, water levels and artesian pressures in wells, logs of wells, records of stream discharge, and chemical analyses of water samples collected during a detailed investigation or during a basic-records program. Pending publication of an interpretive companion report, much use of the basic data can be made by the public and other interested users.

Ted Arnow
District Chief
U.S. Geological Survey
In charge of water-resources
investigations in Utah

UNITED STATES
Department of the Interior
GEOLOGICAL SURVEY

SELECTED GROUND-WATER DATA, BONNEVILLE SALT FLATS

AND PILOT VALLEY, WESTERN UTAH

By Gregory C. Lines

UTAH BASIC-DATA RELEASE NO. 30

Prepared in cooperation with the
U.S. Bureau of Land Management

Salt Lake City, Utah

1978

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ENGLISH-TO-METRIC CONVERSION FACTORS

Most values in this report are given in English units. For those readers who may prefer to use metric units, the conversion factors for the terms used in this report are listed below.

<u>Unit</u> (Multiply)	<u>English</u>	<u>Abbreviation</u>	<u>Unit</u> (by)	<u>Metric</u>	<u>Abbreviation</u>
Acre			0.4047	Square hectometer	hm ²
Foot	ft		.3048	Meter	m
Gallon per minute	gal/min		.06309	Liter per second	L/s
Gallon per minute per foot	(gal/min)/ft		.2070	Liter per second per meter	(L/s)/m
Inch	in.		25.40 2.540	Millimeter Centimeter	mm cm
Square mile	mi ²		2.590	Square kilometer	km ²

Chemical concentration and water temperature are given only in metric units. Chemical concentration is given in milligrams per liter (mg/L) or micrograms per liter ($\mu\text{g}/\text{L}$). Milligrams per liter is a unit expressing the concentration of chemical constituents in solution as weight (milligrams) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to one milligram per liter. For concentrations less than 7,000 mg/L, the numerical value is about the same as for concentrations in the English unit, parts per million. For more highly mineralized water, the concentrations in milligrams per liter must be adjusted for water density to get the equivalent concentrations in parts per million. For example, a brine with a density of 1.185 g/mL and a dissolved-solids concentration of 294,000 mg/L would have an equivalent dissolved-solids concentration of 248,000 ppm.

Water temperature is given in degrees Celsius ($^{\circ}\text{C}$), which can be converted to degrees Fahrenheit ($^{\circ}\text{F}$) by the following equation: $^{\circ}\text{F} = 1.8(^{\circ}\text{C}) + 32$.

SELECTED GROUND-WATER DATA, BONNEVILLE SALT FLATS

AND PILOT VALLEY, WESTERN UTAH

by

Gregory C. Lines

INTRODUCTION

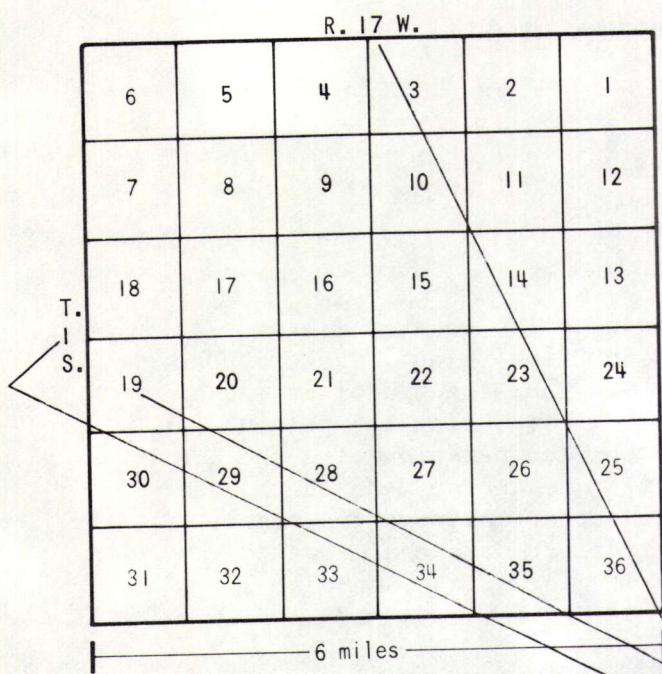
This report contains ground-water data collected at wells and springs on the Bonneville Salt Flats and in Pilot Valley, western Utah. Most of the data were collected during a study of the hydrology and surface morphology of these two salt-crust areas during the period July 1975-June 1977. The study was carried out in cooperation with the U.S. Bureau of Land Management. This report is intended to make the basic data conveniently available and to supplement an interpretive report that will be published separately. Some earlier data that were collected by the Geological Survey and other organizations are also included.

WELL- AND SPRING-NUMBERING SYSTEM

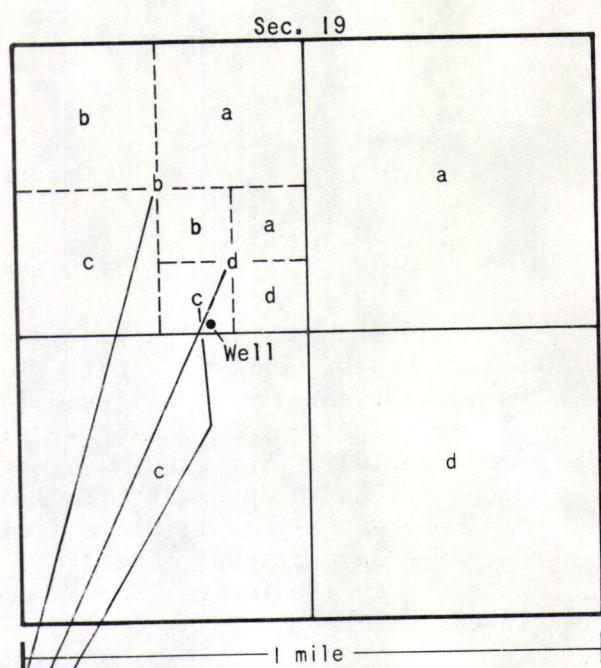
The system of numbering wells and springs in Utah is based on the cadastral land-survey system of the U.S. Government. The number, in addition to designating the well or spring, describes its position in the land net. By the land-survey system, the State is divided into four quadrants by the Salt Lake base line and meridian, and these quadrants are designated by the uppercase letters A, B, C, and D, indicating the northeast, northwest, southwest, and southeast quadrants, respectively. Numbers designating the township and range (in that order) follow the quadrant letter, and all three are enclosed in parentheses. The number after the parentheses indicates the section, and is followed by three letters indicating the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section--generally 10 acres;¹ the letters a, b, c, and d indicate, respectively, the northeast, northwest, southwest, and southeast quarters of each subdivision. The number after the letters is the serial number of the well or spring within the 10-acre tract; the letter "S" preceding the serial number denotes a spring. If a well or spring cannot be located within a 10-acre tract, one or two location letters are used and the serial number is omitted. Thus (C-1-17)19bdc-1 designates the first

¹Although the basic land unit, the section, is theoretically 1 mi², many sections are irregular. Such sections are subdivided into 10-acre tracts, generally beginning at the southeast corner, and the surplus or shortage is taken up in the tracts along the north and west sides of the section.

Sections within a township



Tracts within a section



(C-1-17)19bdc-1

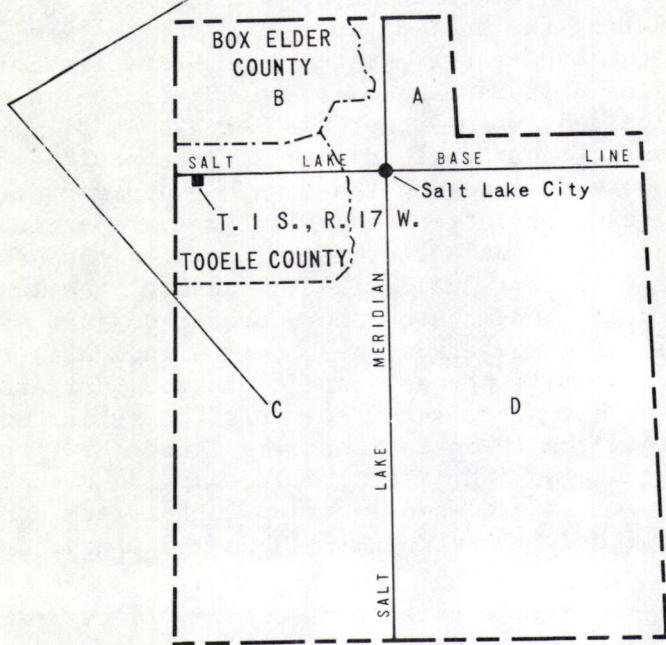


Figure 1.—Well- and spring-numbering system used in Utah.

well constructed or visited in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{2}$ sec. 19, T. 1 S., R. 17 W., and (C-1-17)19a-S designates a spring known only to be in the NE $\frac{1}{4}$ of the same section. The numbering system is illustrated in figure 1.

THE DATA

Locations of data-collection sites on the Bonneville Salt Flats and in Pilot Valley are shown in figures 2 and 3. Table 1 is a listing of records for the wells and springs. Water levels measured in selected observation wells are listed in table 2, and water-level hydrographs of three wells that were equipped with recorders are shown in figure 4. Chemical analyses of water from wells and springs are listed in table 3.

Other reports that contain hydrologic data collected in the two areas include Stephens and Hood (1973), Turk (1973), and Stephens (1974)

REFERENCES CITED

- Stephens, J. C., 1974, Hydrologic reconnaissance of the northern Great Salt Lake Desert and summary hydrologic reconnaissance of northwestern Utah: Utah Dept. Nat. Resources Tech. Pub. 42, 55 p.
- Stephens, J. C., and Hood, J. W., 1973, Hydrologic reconnaissance of Pilot Valley, Utah and Nevada: Utah Dept. Nat. Resources Tech. Pub. 41, 38 p.
- Turk, L. J., 1973, Hydrogeology of the Bonneville Salt Flats, Utah: Utah Geol. and Mineral Survey Water-Resources Bull. 19, 81 p.

EXPLANATION

•³, W

Well

Number by symbol indicates number of wells represented

Letter by symbol indicates type of data:

C, chemical analysis in table 3

H, hydrograph of water levels in figure 4

W, water-level measurements in table 2

— — — Edge of playa

0 1 2 3 MILES
0 1 2 3 KILOMETERS

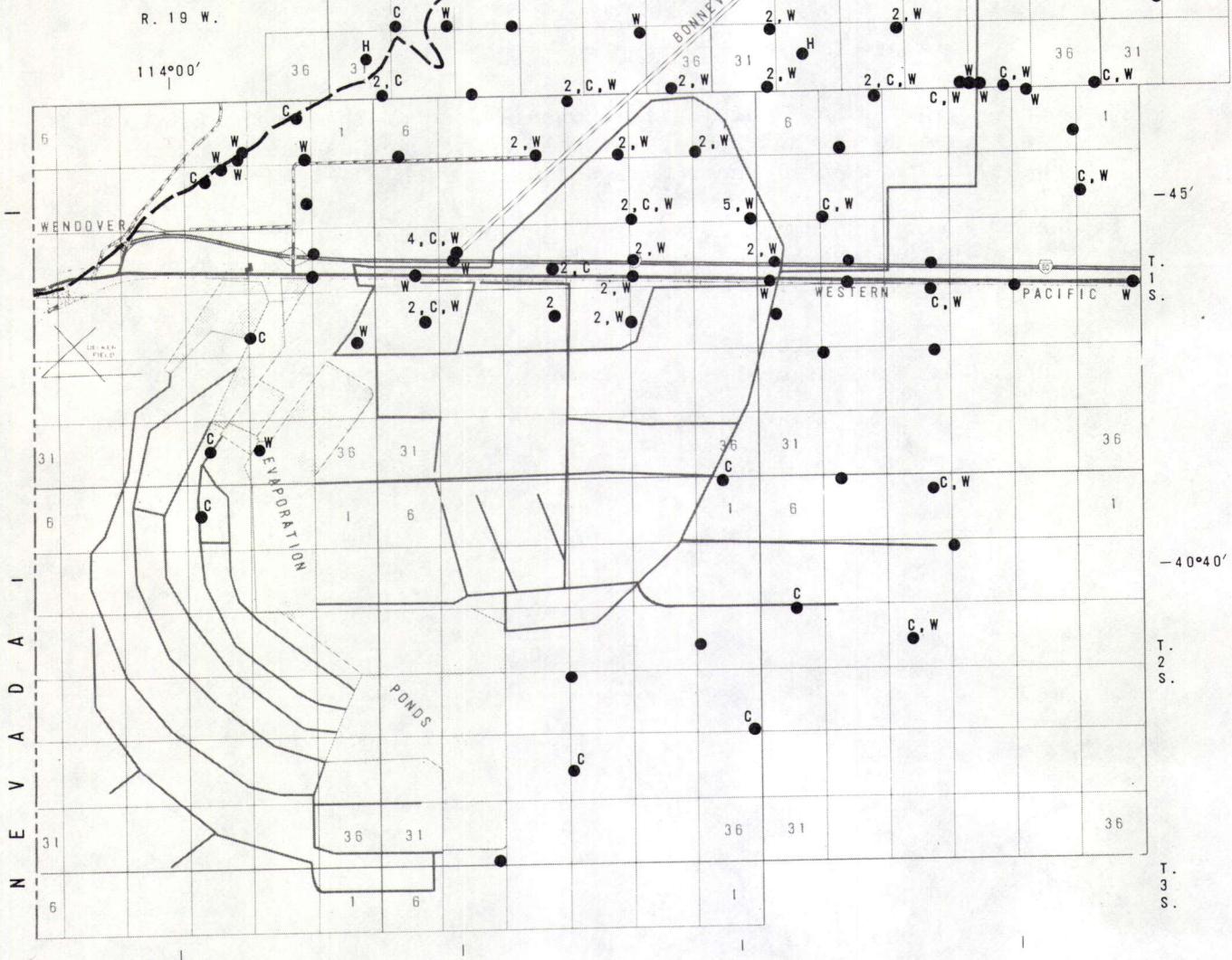


Figure 2.—Location of selected wells on the Bonneville Salt Flats.

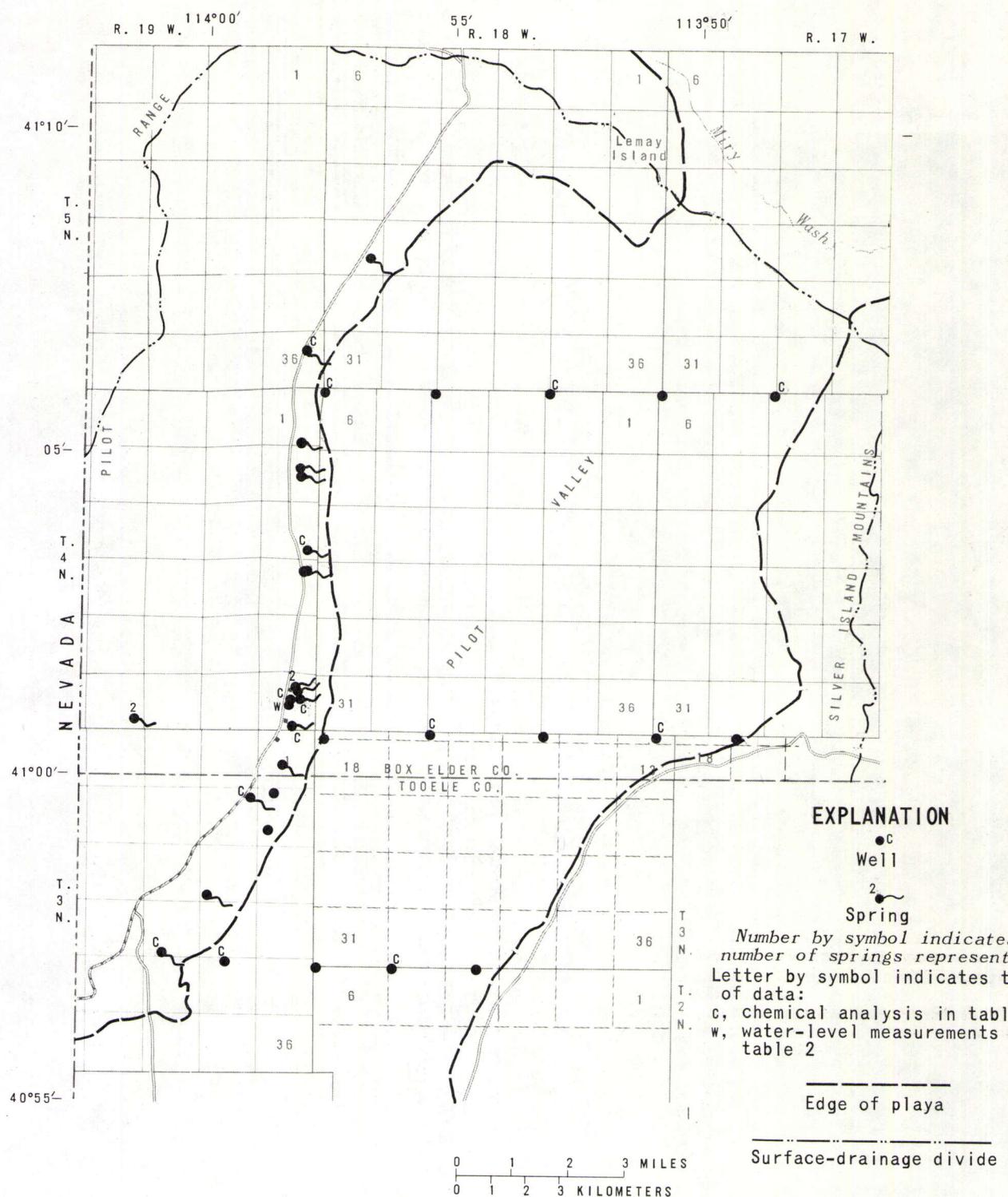


Figure 3.—Location of selected wells and springs in Pilot Valley.

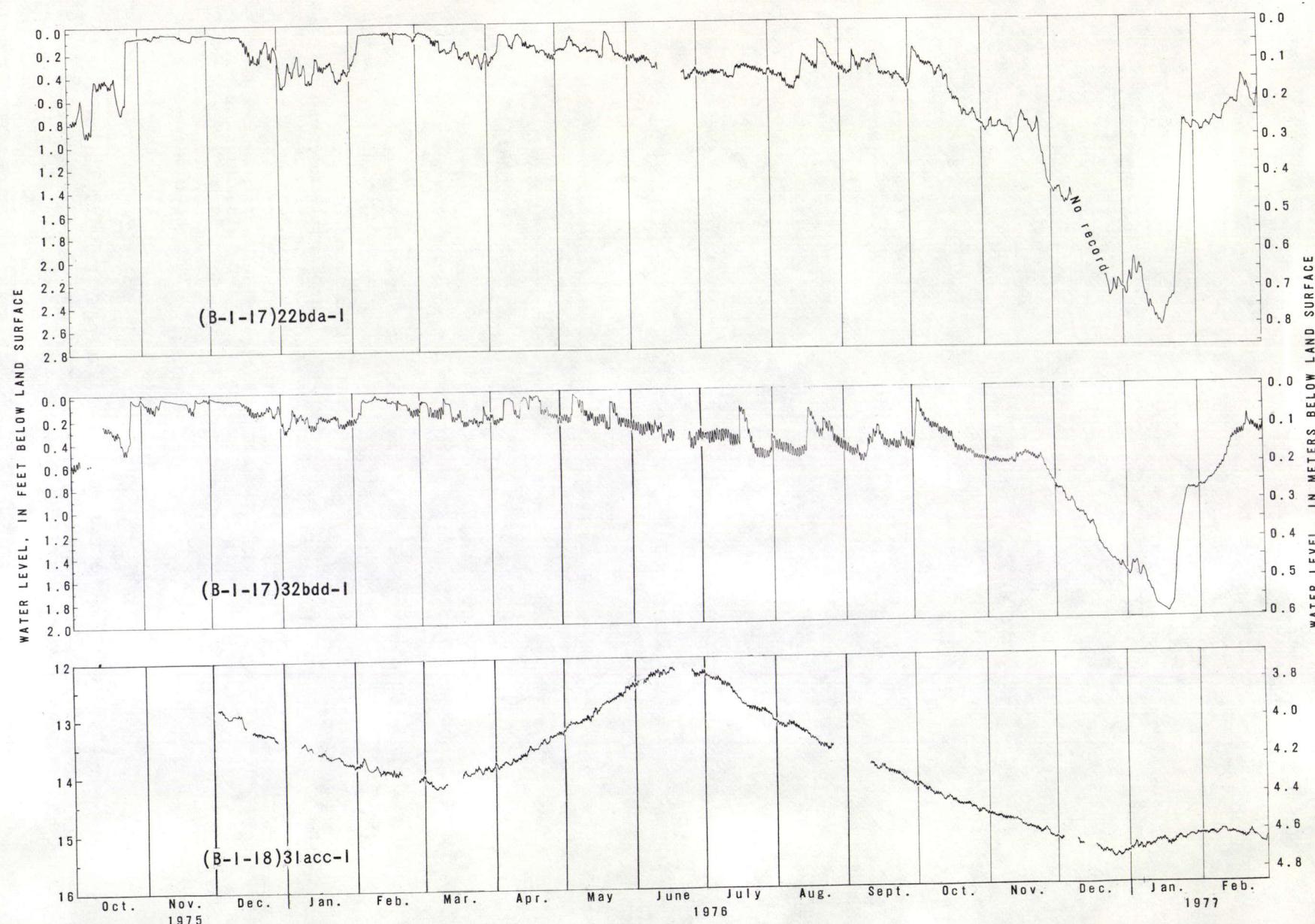


Figure 4.—Water levels in selected wells on the Bonneville Salt Flats.

Table 1.--Records of selected wells and springs

Location: See description of well- and spring-numbering system.
 Owner, user, or name: BLM, U.S. Bureau of Land Management; Kaiser, Kaiser Aluminum and Chemical Corp.; USAF, U.S. Air Force; USGS, U.S. Geological Survey; Utah, State of Utah. Local name in parentheses.
 Year constructed: Query, ?, indicates probable year.
 Casing: Depth - depth to top of perforations or first opening.
 Water-bearing zone: Age - Q, Quaternary; P, Paleozoic. Material - C, conglomerate of basin fill; G, gravel and sands of alluvial fans; M, near-surface carbonate muds and interbedded sands deposited in ancient Lake Bonneville; S, crystalline salts (halite and gypsum); U, consolidated sedimentary rocks undifferentiated.
 Altitude of land surface: Determined by instrument leveling when shown to nearest tenth of a foot; otherwise, interpolated from topographic map.
 Water level: Measured by U.S. Geological Survey personnel except as indicated by r, reported.
 Discharge: Reported except e, estimated, or m, measured, by U.S. Geological Survey personnel. Method of well discharge - f, artesian flow; p, pumped.
 Water temperature: Measured by U.S. Geological Survey personnel except as indicated by r, reported.
 Use of water, well, or spring: D, domestic; I, irrigation; N, industrial; O, water-level observation; P, public supply; S, livestock; T, aquifer test; U, unused.
 Remarks and other data available: A1, aquifer-test data in files of U.S. Geological Survey; A2, aquifer-test results in Turk (1973, table 9); C, chemical analysis in table 3; H, hydrograph of water levels in figure 4; K, specific conductance, in micromhos per centimeter at 20°C, measured at time of discharge measurement; L1, driller's log in Stephens (1974, table 11); L2, driller's log in Stephens and Hood (1973, table 9); L3, driller's log in Turk (1973, appendix B); W, water-level measurements in table 2.

Location	Owner, user, or name	Year constructed	Depth of well (ft)	Casing		Water-bearing zone	Altitude of land-surface datum above mean sea level (ft)	Water level above (+) or below land-surface datum (ft)	Discharge (gal/min)	Date of water level and discharge measurements	Density of water (g/ml. at 20°C)	Water temperature (°C)	Date of density and temperature measurements	Use of water, well, or spring	Remarks and other data available
				Diameter (in.)	Depth (ft)										
BONNEVILLE SALT FLATS															
(B-1-16)6dda-1	BLM (USGS well 80)	1976	5	2.5	1	QM	4,214.2	0.30	-----	4- 7-76	1.196	9.0	4- 7-76	0	About 0.06 in. of halite on surface in March 1976. Water level 0.72 ft below land surface on 9-22-76.
7ccb-1	BLM (Kaiser well K25)	1965?	-----	4	-----	QM	4,214.1	.+10	-----	4- 7-76	1.057	10.5	4- 7-76	0	W.
7dda-1	BLM (USGS well 81)	1976	5	2.5	1	QM	4,214.8	.27	-----	4- 7-76	1.186	20.0	9-23-76	0	About 0.06 in. of halite on surface in March 1976. C, W.
19aaa-1	BLM (USGS well 82)	1976	4	2.5	1	QM	4,214.7	.23	-----	9-23-76	1.145	17.5	9-23-76	0	Thin film of halite on surface in March 1976. C, W.
19bab-1	BLM (Kaiser well K21)	1965?	-----	4	-----	QM	4,214.6	1.08	-----	9-22-76	1.186	19.5	9-22-76	0	W.
30 daa-1	BLM (USGS well 83)	1976	5	2.5	1	QM	4,214.9	.57	-----	9-22-76	1.196	21.0	9-22-76	0	Thin film of halite on surface in March 1976.
(B-1-17)laaa-1	BLM (USGS well 79)	1976	9	2.5	4	QM	4,214.5	.53	-----	4- 7-76	1.201	9.0	4- 7-76	0	Thin film of halite on surface in March 1976. Water level 0.35 ft below land surface on 9-22-76.
2bbb-1	Utah (USGS well 1)	1975	19	2.5	9	QM	4,213.0	.+12	-----	12-10-75	1.185	8.5	3-31-76	0	About 0.1 in. of halite on surface in fall of 1976. W.
3cca-1	BLM (USGS well 66)	1976	5	2.5	1	QM	4,212.9	.33	-----	3-31-76	1.207	8.5	3-31-76	0	Do.
8bab-1	BLM (USGS well 62)	1976	9	2.5	4	QM	4,213.7	1.58	-----	4- 2-76	1.190	8.0	4- 2-76	0	Thin film of halite on surface in fall of 1976. Water level 1.29 ft below land surface on 9-22-76.
9dbb-1	BLM (USGS well 67)	1976	5	2.5	1	QM	4,212.9	.28	-----	3-31-76	1.195	20.0	9-22-76	0	About 0.1 in. of halite on surface in fall of 1976. Water level 0.01 ft below land surface on 9-22-76.
11aaa-1	BLM (USGS well 2)	1975	19	2.5	9	QM	4,213.9	.06	-----	12-10-75	1.187	16.5	9-24-76	0,T	About 0.5 ft of halite on surface in fall of 1976. C, W.
11aaa-2	BLM (USGS well 96)	1976	9	2.5	4	QM	4,214.0	-----	-----	-----	-----	-----	-----	T	About 0.5 ft of halite on surface in fall of 1976.
11aaa-3	BLM (USGS well 104)	1976	1.5	2.5	.3	QS	4,214.6	1.03	-----	9-24-76	1.204	17.0	9-24-76	T	About 0.5 ft of halite on surface in fall of 1976.
11aaa-4	BLM (USGS well PW1)	1976	19	8	4	QM	4,213.9	.76	9.9mp	11-16-76	1.195	16.5	11-16-76	T	A1.
12cca-1	BLM (Kaiser well K24)	1965?	23	4	-----	QM	4,214.0	.33r	-----	11- 7-65	1.110	11.0	4- 7-76	0,T	A2, W.
12dcb-1	BLM (Kaiser well K23)	1965?	25	4	-----	QM	4,213.9	.17r	7.8p	11-16-65	1.193	23.0	9-23-76	0,T	A2, C, W.
12dca-1	BLM (Kaiser well K22)	1965?	25	4	-----	QM	4,213.9	.01r	16.0p	10- 2-65	1.013	10.0	4- 5-76	0,T	A2, W.
14bbb-1	BLM (Kaiser well K8B)	1965?	23	4	-----	QMS	4,214.2	.29r	7.6p	11- 7-65	1.207	18.0	9-24-76	0,T	Water level 0.52 ft below land surface on 9-24-76. A2.
18baa-1	BLM (USGS well 63)	1976	9	2.5	4	QM	4,214.1	1.76	-----	4- 2-76	1.186	8.0	4- 2-76	0	No halite on surface in fall of 1975. W.
19aaa-1	BLM (USGS well 5)	1975	16	2.5	6	QM	4,213.6	.21	-----	12-10-75	1.204	6.5	3-31-76	0,T	About 1 ft of halite on surface in September 1975. W.
19aaa-2	BLM (USGS well 6)	1975	2	2.5	1	QS	4,213.6	.08	-----	12-10-75	1.206	7.5	3-31-76	0,T	Do.
19aaa-3	BLM (USGS well PW3)	1976	19	8	4	QM	4,213.6	.97	11.3mp	11-12-76	1.204	17.0	11-12-76	T	A1.
22aaa-1	BLM (Kaiser well K5)	1965?	25	4	-----	QM	4,214.1	.+24r	10.5p	10- 4-65	1.194	23.5	9-23-76	0,T	A2, C, W.
22bbb-1	BLM (USGS well 3)	1975	16	2.5	6	QM	4,214.2	.08	-----	12-10-75	1.204	7.5	3-31-76	0	About 2 ft of halite on surface in September 1975. W.
22bbb-2	BLM (USGS well 4)	1975	2	2.5	1	QS	4,214.2	.+02	-----	12-10-75	1.205	8.0	3-31-76	0	Do.
22bda-1	BLM (USGS well BR1)	1966?	5	12	5	QMS	4,214.2	.78	-----	10- 2-75	-----	-----	-----	0	H.
23aab-1	BLM (Kaiser well K6)	1965?	23	4	-----	QM	4,214.2	.11r	14.0p	10- 2-65	1.070	8.0	4- 5-76	0,T	A2, W.
23aab-1	BLM (Kaiser well K3)	1965?	25	4	-----	QM	4,214.2	.14r	12.5p	10- 4-65	1.099	8.5	4- 5-76	0,T	A2, W.
23bab-1	BLM (Kaiser well K4)	1965?	23	4	-----	QM	4,214.2	.15r	19.2p	9-28-65	1.183	10.5	4- 5-76	0,T	A2, W.
24aaa-1	BLM (Kaiser well K18)	1965?	23	4	-----	QM	4,214.5	1.22r	4.8p	11-16-65	1.113	8.0	4- 5-76	0,T	A2, W.
24abb-1	BLM (Kaiser well K19)	1965?	23	4	-----	QM	4,214.6	1.10r	7.9p	11-16-65	1.144	8.5	4- 5-76	0,T	A2, W.
24bbb-1	BLM (Kaiser well K7)	1965?	25	4	-----	QM	4,214.1	.02r	11.1p	6-17-65	1.129	23.5	9-23-76	0,T	A2, C, W.
27adc-1	BLM (USGS well 11)	1975	19	2.5	9	QM	4,214.2	.07	-----	12-10-75	1.188	10.0	3-31-76	0	No halite on surface in fall of 1975; 0.2 in. on surface in fall of 1976. W.
28bbb-1	BLM (USGS well 9)	1975	16	2.5	6	QM	4,214.2	.10	-----	12-10-75	1.197	18.5	9-24-76	0	About 2.5 ft. of halite on surface in September 1975. C, W.
28bbb-2	BLM (USGS well 10)	1975	2	2.5	1	QS	4,214.2	.00	-----	12-10-75	1.194	18.5	9-24-76	0	Do.
31aaa-1	BLM (USGS well 14)	1975	15	2.5	5	QM	4,214.1	.+04	-----	12-10-75	1.208	8.0	3-31-76	0	About 3.5 ft of halite on surface in September 1975. W.
31aaa-2	BLM (USGS well 15)	1975	3	2.5	1	QS	4,214.1	.+03	-----	12-10-75	1.207	8.0	3-31-76	0	Do.
31ddd-1	BLM (USGS well 19)	1975	16	2.5	6	QM	4,214.0	.+01	-----	12-10-75	1.190	9.5	4- 1-76	0	About 3 ft of halite on surface in September 1975. W.
31ddd-2	BLM (USGS well 20)	1975	2.5	2.5	1.5	QS	4,214.0	.02	-----	12-10-75	1.208	8.5	4- 01-76	0	Do.
32bdd-1	Utah (Kaiser well BR2)	1966?	5	12	5	QMS	4,214.0	.60	-----	10- 1-75	-----	-----	-----	0	H.
33aaa-1	BLM (USGS well 12)	1975	17	2.5	7	QM	4,214.2	.+03	-----	12-10-75	1.193	9.0	3-31-76	0	About 1 ft of halite on surface in September 1975. W.
33aaa-2	BLM (USGS well 13)	1975	1	2.5	.5	QS	4,214.2	.04	-----	12-10-75	1.206	9.0	3-31-76	0	Do.
34ddd-1	BLM (Kaiser well K10)	1965?	25	4	-----	QM	4,214.1	.16r	4.0p	9-29-65	1.194	23.5	9-23-76	0,T	A2, C, W.
35ccc-1	BLM (Kaiser well K9)	1965?	25	4	-----	QM	4,214.2	.48r	6.4p	9-30-65	1.071	8.5	4- 8-76	0,T	A2, W.
35ccc-2	BLM (Kaiser well K12)	1965?	25	4	-----	QM	4,214.2	.97r	4.9p	11-15-65	1.059	13.5	4- 8-76	0,T	A2, W.
35dcc-1	BLM (Kaiser well K13)	1965?	-----	4	-----	QM	4,214.3	1.09	-----	4- 8-76	1.124	22.0	9-23-76	0	C, W.
36ddd-1	BLM (USGS well 84)	1976	5	2.5	1	QM	4,214.6	.40	-----	4- 8-76	1.186	22.5	9-23-76	0	C, W.
(B-1-18)1cdd-1	BLM (USGS well 44)	1976	9	2.5	4	QM	4,219.6	7.65	-----	4- 2-76	1.045	20.5	9-22-76	0	Water level 7.55 ft below land surface on 9-22-76. C.
11cdd-1	BLM (USGS well 45)	1976	9	2.5	4	QM	4,220.7	11.24	-----	4- 2-76	1.058	19.0	9-22-76	0	Water level 10.38 ft below land surface on 9-22-76.

Table 1.--Records of selected wells and springs--continued

Location	Owner, user, or name	Year constructed	Depth of well (ft)	Casing		Water-bearing zone	Altitude of land-surface datum above mean sea level (ft)	Water level above (+) or below land-surface datum (ft)	Discharge (gal/min)	Date of water level and discharge measurements	Density of water (g/ml. at 20°C)	Water temperature (°C)	Date of density and temperature measurements	Use of water, well, or spring	Remarks and other data available
				Diameter (in.)	Depth (ft)										
BONNEVILLE SALT FLATS--continued															
(B-1-18)13ccc-1	BLM (USGS well 64)	1976	9	2.5	4	QM	4,215.2	.286	-----	4- 2-76	1.156	21.0	9-22-76	0	No halite on surface in the fall of 1975; thin film of surface in fall of 1976. Water level 2.48 ft below land surface on 9-22-76. C.
22ddd-1	BLM (USGS well 68)	1976	9	2.5	4	QM	4,217.0	.535	-----	4- 2-76	1.091	8.0	4- 2-76	0	W.
25aaa-1	BLM (USGS well 7)	1975	16	2.5	6	QM	4,213.4	.03	-----	12-10-75	1.198	18.5	9-24-76	0	About 2.5 ft of halite on surface in September 1975. C, W.
25aaa-2	BLM (USGS well 8)	1975	2	2.5	1	QS	4,213.4	.02	-----	12-10-75	1.202	19.0	9-24-76	0	Do.
28ddd-1	BLM (USGS well 69)	1976	9	2.5	4	QM	4,215.6	.329	-----	4- 2-77	1.165	8.0	4- 2-77	0	Water level 2.28 ft below land surface on 9-22-76.
29ccc-1	BLM (Kaiser well FW24)	1948	167	12	130	QG	4,228	+	25ef	3-29-72	-----	28.0	3-29-72	U	Water level reported 15 ft above land surface on 1-6-48. C, Ll.
29ddd-1	BLM (USGS well 70)	1976	17	2.5	12	QM	4,217.8	12.80	-----	4- 2-76	1.089	13.0	4- 2-76	0	W.
31acc-1	BLM (Kaiser well FW20)	1947	295	12	230	QG	4,231.8	+15	150f	12-16-47	-----	24r	12-16-47	U	Water level at land surface on 3-29-72. H, Ll.
31ddd-1	BLM (USGS well 72)	1976	13	2.5	8	QM	4,218.4	10.31	-----	4- 2-76	1.049	18.0	9-22-76	0	Water level 9.48 ft below land surface on 9-22-76. C.
31ddd-2	BLM (USGS well 95)	1976	17	2.5	12	QM	4,218.3	9.39	-----	9-22-76	1.021	11.5	6-15-77	0	Water level 10.56 ft below land surface on 6-15-77.
33cdc-1	BLM (USGS well 71)	1976	8	2.5	3	QM	4,214.8	2.73	-----	4- 2-76	1.102	21.0	9-22-76	0	Water level 2.72 ft below land surface on 9-22-77.
35aaa-1	BLM (USGS well 16)	1975	19	2.5	9	QM	4,212.6	.19	-----	2-10-76	1.191	9.0	3-31-76	0	About 0.1 in. of halite on surface in September 1975. W.
36cdd-1	Kaiser (USGS well 17)	1975	15	2.5	5	QM	4,213.6	.+01	-----	12-10-75	1.205	7.0	3-31-76	0	About 3.5 ft of halite on surface in September 1975. W.
(B-2-16)19ccc-1	Kaiser (USGS well 18)	1975	3	2.5	1	QS	4,213.6	.+04	-----	12-10-75	1.205	10.0	3-31-76	0	Do.
	BLM (USGS well 78)	1976	5	2.5	1	QM	4,214.7	1.05	-----	4- 2-76	1.158	20.0	9-21-76	0	Water level 0.56 ft below land surface on 9-21-76. C.
30cdd-1	BLM (USGS well 76)	1976	5	2.5	1	QM	4,215.0	.20	-----	4- 7-76	1.118	12.0	4- 7-76	0	No halite on surface in fall of 1975.
(B-2-17)23ccc-1	BLM (USGS well 77)	1976	9	2.5	4	QM	4,217.1	3.48	-----	4- 2-76	1.109	21.0	9-21-76	0	Water level 3.03 ft below land surface on 9-21-76. C.
28ddd-1	BLM (USGS well 65)	1976	9	2.5	4	QM	4,217.1	4.46	-----	4- 2-76	1.128	8.0	4- 2-76	0	W.
31ddd-1	BLM (USGS well 43)	1976	9	2.5	4	QM	4,218.3	5.96	-----	4- 2-76	1.069	8.5	4- 2-76	0	W.
33cdd-1	BLM (USGS well 61)	1976	9	2.5	4	QM	4,214.9	2.69	-----	4- 2-76	1.086	22.0	9-21-76	0	Water level 1.81 ft below land surface on 9-21-76. C.
35aaa-1	BLM (USGS well 75)	1976	6	2.5	1	QM	4,215.7	1.68	-----	4- 7-76	1.180	9.0	4- 7-76	0	Water level 1.47 ft below land surface on 9-21-76.
(C-1-17)2baa-1	Utah (Kaiser well K14)	1965?	4	-----	4	QM	4,214.3	1.30	-----	4- 8-76	1.039	8.0	4- 8-76	0	W.
2dad-1	Utah (USGS well 85)	1976	4	-----	5	QM	4,214.6	.33	-----	4- 8-76	1.081	11.5	4- 8-76	0	Water level 0.49 ft below land surface on 9-23-76.
5aaa-1	BLM (USGS well 21)	1975	18	2.5	8	QM	4,214.1	.+03	-----	12-10-75	1.192	22.0	9-24-76	0	No halite on surface in fall of 1975; 0.1 in. on surface in fall of 1976. C, W.
5aaa-2	BLM (USGS well 22)	1975	1	2.5	.5	QS	4,214.1	.+04	-----	12-10-75	1.203	9.0	4- 1-76	0	W.
5cdc-1	BLM (USGS well 73)	1976	5	2.5	1	QM	4,214.1	.39	-----	4- 1-76	1.188	8.0	4- 1-76	0	No halite on surface in fall of 1975; 0.1 in. on surface in fall of 1976. Water level 0.56 ft below land surface on 9-23-76.
8ccc-1	BLM (USGS well 74)	1976	9	2.5	4	QM	4,213.9	.14	-----	4- 1-76	1.196	22.5	9-23-76	0	No halite on surface in fall of 1975; about 0.2 in. on surface in fall of 1976. C, W.
12ccb-1	BLM (USGS well 86)	1976	5	2.5	1	QM	4,215.2	.39	-----	4- 8-76	1.205	23.0	9-23-76	0	C, W.
16dbd-1	Utah (USGS well 60)	1976	8	2.5	3	QM	4,215.1	1.15	-----	4- 6-76	1.184	10.0	4- 6-76	0	No halite on surface in fall of 1975; thin film on surface in fall of 1976. Water level 0.91 ft below land surface on 9-23-76.
17cad-1	BLM (USGS well 59)	1976	9	2.5	4	QM	4,214.1	.52	-----	4- 1-76	1.200	8.0	4- 1-76	0	No halite on surface in fall of 1975; 0.1 in. on surface in fall of 1976. Water level 0.92 ft below land surface on 9-23-76.
17cdd-1	BLM (USGS well 51)	1976	9	2.5	4	QM	4,214.2	1.21	-----	4- 1-76	1.121	8.0	4- 1-76	0	No halite on surface in fall of 1975; thin film on surface in fall of 1976. Water level 3.51 ft below land surface on 9-27-76.
18cab-1	Kaiser (USGS well 37)	1975	19	2.5	9	QM	4,213.5	1.25	-----	12-10-75	1.198	9.0	4- 1-76	0	About 1 ft of halite on surface in September 1975. W.
18cab-2	Kaiser (USGS well 88)	1976	1.7	2.5	1	QS	4,213.5	.97	-----	4- 1-76	1.205	7.0	4- 1-76	0	Well was dry on 9-27-76.
18cdc-1	Kaiser (USGS well 50)	1976	9	2.5	4	QM	4,213.1	5.40	-----	2-10-76	1.194	8.5	4- 1-76	0	No halite on surface in fall of 1976. W.
19bdc-1	Kaiser (USGS well 58)	1976	9	2.5	4	QM	4,212.9	2.86	-----	4- 6-76	1.203	6.0	4- 6-76	0	No halite on surface in fall of 1976. Water level 4.50 ft below land surface on 9-28-76.
21aba-1	BLM (Kaiser well K46)	1965?	23	4	-----	QM	4,215.2	1.04r	11.5p	11- 5-65	1.175	23.0	9-28-76	0,T	A2, C, W.
23bbb-1	BLM (USGS well 52)	1976	6	2.5	1	QM	4,216.6	1.43	-----	4- 6-76	1.069	8.5	4- 6-76	0	Water level 1.48 ft below land surface on 9-27-76.
24aaa-1	BLM (USGS well 53)	1976	9	2.5	4	QM	4,215.6	.45	-----	4- 6-76	1.177	8.0	4- 6-76	0	W.
28aab-1	BLM (USGS well 105)	1976	9	2.5	4	QM	4,216.2	2.30	-----	9-28-76	1.171	22.5	9-28-76	0	No halite on surface in fall of 1976.
29bbb-1	BLM (USGS well 106)	1976	9	2.5	4	QM	4,213.7	2.90	-----	9-28-76	1.176	23.0	6-16-77	0	No halite on surface in fall of 1976. Water level 2.90 ft below land surface on 6-16-77.
(C-1-18)1ccc-1	Kaiser (USGS well 35)	1975	15	2.5	5	QM	4,213.8	.+04	-----	12-10-75	1.204	5.0	4- 1-76	0	About 3.5 ft. of halite on surface in September 1975. W.
1ccc-2	Kaiser (USGS well 36)	1975	3	2.5	1	QS	4,213.8	.+07	-----	12-10-75	1.186	7.5	4- 1-76	0	Do.
3bbb-1	Kaiser (USGS well 23)	1975	16	2.5	6	QM	4,213.2	.+10	-----	12-10-75	1.198	20.5	9-27-76	0	About 3 ft of halite on surface in September 1975. C, W.
3bbb-2	Kaiser (USGS well 24)	1975	2	2.5	1	QS	4,213.2	.06	-----	12-10-75	1.204	21.5	9-27-76	0	Do.
3dcdd-1	Kaiser (USGS well 33)	1975	15	2.5	5	QM	4,213.6	.02	-----	12-10-75	1.201	7.0	4- 1-76	0	About 3.5 ft of halite on surface in September 1975. W.

Table 1.--Records of selected wells and springs--continued

Location	Owner, user, or name	Year constructed	Depth of well (ft)	Casing		Water-bearing zone	Altitude of land-surface datum above mean sea level (ft)	Water level above (+) or below land-surface datum (ft)	Discharge (gal/min)	Date of water level and discharge measurements	Density of water (g/ml. at 20°C)	Water temperature (°C)	Date of density and temperature measurements	Use of water, well, or spring	Remarks and other data available
				Diameter (in.)	Depth (ft)										
BONNEVILLE SALT FLATS--continued															
(C-1-18)3dcd-2	Kaiser (USGS well 34)	1975	3	2.5	1	QS	4,213.6	0.00	-----	12-10-75	1.206	8.0	4- 1-76	0	About 3.5 ft of halite on surface in September 1975. W.
4dcc-1	BLM (USGS well 25)	1975	17	2.5	7	QM	4,213.0	.06	-----	12-10-75	1.205	9.0	4- 1-76	0	About 0.5 ft of halite on surface in September 1975. W.
4dcc-2	BLM (USGS well 26)	1975	2	2.5	.5	QS	4,213.0	.59	-----	4- 1-76	1.206	9.0	4- 1-76	0	Well destroyed in spring of 1976.
6cdd-1	BLM (USGS well 46)	1976	9	2.5	4	QM	4,214.6	2.59	-----	4- 1-76	1.176	8.0	4- 1-76	0	No halite on surface in fall of 1975; thin coating on surface in fall of 1976. Water level 2.34 ft below land surface on 9-22-76.
11ccc-1	Kaiser (USGS well 31)	1975	15	2.5	5	QM	4,213.7	.13	-----	12-10-75	1.202	22.0	9-27-76	0	About 3.5 ft of halite on surface in September 1975. C, W.
11ccc-2	Kaiser (USGS well 32)	1975	3	2.5	1	QS	4,213.7	.14	-----	12-10-75	1.189	22.5	9-27-76	0	Do.
12ddd-1	Kaiser (USGS well 38)	1975	16	2.5	6	QM	4,213.6	.16	-----	12-10-75	1.203	7.5	4- 1-76	0,T	About 1 ft of halite on surface in September 1975. W.
12ddd-2	Kaiser (USGS well 39)	1975	2	2.5	1	QS	4,213.6	.03	-----	12-10-75	1.200	7.5	4- 1-76	0,T	Do.
12ddd-3	Kaiser (USGS well PW4)	1976	19	2	4	QM	4,213.7	.66	110mp	8-31-76	1.202	18.0	8-31-76	T	Al.
12ddd-4	Kaiser (USGS well 102)	1976	9	2.5	7	QM	4,213.6	.68	-----	8-31-76	-----	-----	-----	T	
12ddd-5	Kaiser (USGS well 103)	1976	9	2.5	7	QM	4,213.6	.63	-----	8-31-76	-----	-----	-----	T	
14ccb-1	Kaiser (USGS well 29)	1975	15	2.5	5	QM	4,213.4	.77	-----	12-10-75	1.200	6.0	4- 1-76	0	About 2.5 ft of halite on surface in September 1975. W.
14ccb-2	Kaiser (USGS well 30)	1975	3	2.5	1	QS	4,213.4	1.16	-----	12-10-75	1.206	7.5	4- 1-76	0	Do.
14ccb-1	Utah (USGS well 41)	1975	19	2.5	9	QM	4,215.6	5.17	-----	12-10-75	1.203	10.0	4- 1-76	0	W.
14ccb-2	Kaiser (USGS well 87)	1976	2.5	2.5	1	QS	4,212.3	.57	-----	4- 1-76	1.205	8.0	4- 1-76	0	About 2.5 ft of gypsum and halite near surface in fall of 1976. W.
16dac-1	Kaiser (USGS well 49)	1976	9	2.5	4	QM	4,213.2	1.92	-----	4- 6-76	1.199	22.0	9-27-76	0	Water level 3.21 ft below land surface on 9-27-76. C.
16dac-2	Kaiser (USGS well 89)	1976	2.5	2.5	1.5	QS	4,213.2	1.66	-----	4- 6-76	-----	-----	-----	0	About 2.6 ft of gypsum and halite near surface in fall of 1976. Well dry on 9-27-76.
17bdb-1	Kaiser (USGS well 27)	1975	19	2.5	9	QM	4,213.4	.36	-----	12-10-75	1.195	21.5	9-27-76	0,T	About 2 ft of gypsum and halite near surface in fall of 1976. C, W.
17bdb-2	Kaiser (USGS well 93)	1976	2	2.5	1	QS	4,213.4	1.36	-----	4- 1-76	1.205	6.5	4- 1-76	0,T	W.
17bdb-3	Kaiser (USGS well PW5)	1976	19	2	4	QM	4,213.3	.68	90mp	9- 8-76	1.206	19.0	9- 8-76	T	Al.
17bdb-4	Kaiser (USGS well 101)	1976	9	2.5	4	QM	4,213.4	1.67	-----	9- 8-76	-----	-----	-----	T	
17bcd-1	Kaiser (USGS well 28)	1975	19	2.5	9	QM	4,214.2	1.23	-----	12-10-75	1.205	9.0	4- 1-76	0	W.
18dca-1	Utah (USGS well 42)	1975	19	2.5	9	QM	4,215.6	4.61	-----	12-10-75	1.200	10.5	4- 1-76	0	W.
19adc-1	Kaiser (USGS well 55)	1976	8	2.5	3	QM	4,212.9	4.11	-----	4- 6-76	1.199	16.0	9-28-76	0	C, W.
19adc-2	Kaiser (USGS well 92)	1976	2.4	2.5	1	QS	4,212.9	Dry	-----	4- 6-76	-----	-----	-----	0	About 2.1 ft of gypsum on surface in spring of 1976. Well was dry on 9-28-76 and 6-16-77.
21adc-1	Kaiser (USGS well 56)	1976	9	2.5	4	QM	4,213.2	4.64	-----	4- 6-76	1.197	6.0	4- 6-76	0	About 3 ft of gypsum on surface in spring of 1976. Water level 7.91 ft below land surface on 9-28-76.
21adc-2	Kaiser (USGS well 90)	1976	2.6	2.5	1	QS	4,213.2	Dry	-----	4- 6-76	-----	-----	-----	0	Well was dry on 9-28-76.
23bcc-1	Kaiser (USGS well 57)	1976	9	2.5	4	QM	4,212.9	3.80	-----	4- 6-76	1.205	6.0	4- 6-76	0	About 3 ft of gypsum on surface in spring of 1976. W.
23bcc-2	Kaiser (USGS well 91)	1976	2.6	2.5	1	QS	4,212.9	2.58	-----	4- 6-76	-----	-----	-----	0	Well was dry on 9-28-76 and 6-16-77. Water level reported 15 ft above land surface on 11-25-47. C, Ll.
(C-1-19)2adb-1	Kaiser (Kaiser well FW13)	1947	225	12	195	QG	4,230	-----	600ep	3-29-72	-----	24.5	3-29-72	N	
2ddd-1	BLM (USGS well 47)	1976	9	2.5	4	QM	4,217.1	4.72	-----	4- 1-76	1.076	8.0	4- 1-76	0	W.
3ddd-1	Kaiser (Kaiser well FW8)	1946	185	10	100	QG	4,230	+15r	400f	6- 2-46	-----	-----	-----	0	Ll, W.
3ddc-1	Kaiser (Kaiser well FW7A)	1949	171	10	130	QG	4,227	+15r	1,000f	5-16-49	-----	24r	3- 1-71	0	Ll, W.
10abb-1	Kaiser (Kaiser well FW6a)	1949	174	10	-----	QG	4,230	.69	-----	8- 6-62	-----	-----	-----	0	W.
10bac-1	Kaiser (Kaiser well FW5)	1948	216	12,10	107	QG	4,229	-----	500f	2-27-48	-----	24r	2-27-48	0	12-in. casing to 140 ft; 10 in. below. C, Ll.
11daa-1	BLM (USGS well 94)	1976	9	2.5	4	QM	4,215.7	2.27	-----	9-22-76	1.017	22.5	9-22-76	0	
13beb-1	Kaiser (USGS well 54)	1976	9	2.5	4	QM	4,214.8	2.24	-----	4- 6-76	1.013	8.0	4- 6-76	0	Water level 1.99 ft below land surface on 9-27-76.
13cbc-1	Kaiser (USGS well 48)	1976	9	2.5	4	QM	4,214.3	2.38	-----	4- 1-76	1.159	8.0	4- 1-76	0	Water level 2.27 ft below land surface on 9-27-76. C.
23cfc-1	Kaiser (Kaiser well DBW13)	1951	1,496	12	995	QC	4,220	-----	-----	-----	-----	24.5r	9-13-67	N	
24dca-1	Kaiser (Kaiser well Kl)	1965?	16	4	-----	QM	4,212.8	4.59r	9.6p	11-19-65	1.212	9.0	4- 6-76	0,T	A2, W.
34bdc-1	Kaiser (Kaiser well DBW7)	1951	1,045	-----	-----	QC	4,217	22r	1,270p	1951	-----	28r	9-13-67	N	C, L3.
35bcd-1	Kaiser (Kaiser well DBW9)	1950	1,418	16	1,005	QC	4,216	30r	1,200p	1-14-51	-----	30	1-14-51	0	Ll, W.
(C-2-17)4aac-1	BLM (Kaiser well K65)	1966?	19	4	-----	QM	4,216.8	3.10r	4.1p	8- 4-66	1.125	21.0	9-28-76	0,T	A2, C, W.
5bab-1	BLM (USGS well 107)	1976	9	2.5	4	QM	4,213.4	.74	-----	9-28-76	1.190	22.5	9-28-76	0	Water level 0.22 ft above land surface on 6-16-77.
10bbb-1	BLM (USGS well 109)	1976	9	2.5	4	QM	4,216.0	2.75	-----	9-28-76	1.149	22.5	9-28-76	0	
16caa-1	Utah (Kaiser well K66)	1966?	19	4	-----	QM	4,214.3	.11r	2.9p	8- 9-66	1.182	22.5	9-28-76	0,T	A2, C, W.
18abb-1	BLM (USGS well 113)	1976	9	2.5	4	QM	4,213.4	1.27	-----	9-28-76	1.180	21.5	9-28-76	0	Water level 0.54 ft above land surface on 6-16-77. C.
(C-2-18)1baa-1	Kaiser (USGS well 108)	1976	9	2.5	4	QM	4,213.1	3.66	-----	9-28-76	1.194	18.0	9-28-76	0	About 2 ft of gypsum on surface in fall of 1976. C.
13ccb-1	BLM (USGS well 112)	1976	9	2.5	4	QM	4,213.3	.53	-----	9-28-76	1.202	22.5	9-28-76	0	
22bbb-1	USAF (USGS well 111)	1976	9	2.5	4	QM	4,213.4	.47	-----	9-28-76	1.194	22.5	9-28-76	0	Thin film of halite on surface in fall of 1976.
24ddd-1	USAF (USGS well 114)	1976	9	2.5	4	QM	4,214.2	.97	-----	9-28-76	1.184	22.0	9-28-76	0	Thin film of halite on surface in fall of 1976. Water level 0.39 ft above land surface on 6-16-77. C.
27cbb-1	USAF (USGS well 110)	1976	9	2.5	4	QM	4,213.4	1.45	-----	9-28-76	1.194	22.0	9-28-76	0	About 0.06 in. of halite on surface in fall of 1976. Water level 0.42 ft above land surface on 6-16-77. C.
32ddd-1	Utah (Kaiser well K67)	1966?	19	4	-----	QM	4,216.6	.81r	9.0p	8-12-66	1.166	23.0	9-28-76	0	Water level 1.64 ft below land surface on 9-28-76. A2.
(C-2-19)3bcd-1	Kaiser (Kaiser well DBW8)	1950	1,070	-----	932	QC	4,216	-----	-----	1.087	28.0	11-12-76	N	C.	

Table 1.--Records of selected wells and springs--continued

Location	Owner, user, or name	Year constructed	Depth of well (ft)	Casing		Water-bearing zone	Altitude of land-surface datum above mean sea level (ft)	Water level above (+) or below land-surface datum (ft)	Discharge (gal/min)	Date of water level and discharge measurements	Density of water (g/ml. at 20°C)	Water temperature (°C)	Date of density and temperature measurements	Use of water, well, or spring	Remarks and other data available
				Diameter (in.)	Depth (ft)										
PILOT VALLEY															
(B-2-18)4	BLM (USGS well PV9)	1976	9	2.5	4	QM	4,255.2	3.05	-----	9-30-76	1.021	18.5	9-30-76	0	Water level 1.86 ft below land surface on 6-14-77.
5	BLM (USGS well PV8)	1976	9	2.5	4	QM	4,249.8	4.57	-----	9-30-76	1.036	18.0	9-30-76	0	Water level 4.50 ft below land surface on 6-14-77. C.
6	BLM (USGS well PV7)	1976	9	2.5	4	QM	4,248.5	2.40	-----	9-30-76	1.078	20.0	9-30-76	0	Water level 2.40 ft below land surface on 6-14-77.
(B-3-17)8	BLM (USGS well PV5)	1976	9	2.5	4	QM	4,250.7	2.46	-----	9-30-76	1.062	21.0	9-30-76	0	Water level 2.31 ft below land surface on 6-14-77.
(B-3-18)7	BLM (USGS well PV1)	1976	9	2.5	4	QM	4,242.8	1.27	-----	9-30-76	1.078	19.0	9-30-76	0	Water level 1.71 ft below land surface on 6-14-77.
8	BLM (USGS well PV2)	1976	9	2.5	4	QM	4,243.2	.90	-----	9-30-76	1.179	21.5	9-30-76	0	Water level 0.69 ft below land surface on 6-14-77. C.
10	BLM (USGS well PV3)	1976	9	2.5	4	QM	4,245.0	1.29	-----	9-30-76	1.180	20.0	9-30-76	0	Water level 1.54 ft below land surface on 6-14-77.
12	BLM (USGS well PV4)	1976	9	2.5	4	QM	4,247.1	1.18	-----	9-30-76	1.122	21.5	9-30-76	0	Water level 1.34 ft below land surface on 6-14-77. C.
(B-3-19)lcaa-S1	-----	-----	-----	-----	-----	QG	4,258	-----	75e	9-23-71	-----	14.5	9-23-71	I,S	K 330.
l1aa-S	-----	-----	-----	-----	-----	QG	4,300	-----	-----	-----	-----	-----	9-23-71	S	C.
12bab-1	D. Stephens	1971	100	16	-----	QG	4,290	8r	-----	11-26-71	-----	-----	-----	I	L2.
12cbd-1	do.	1961	45	12	-----	QG	4,250	10.2	-----	9-23-71	-----	-----	-----	I	L2.
14cc-S	-----	-----	-----	-----	-----	QG	4,280	-----	10e	9-23-71	-----	15.0	9-23-71	S	K 1,260
22cd-S	-----	-----	-----	-----	-----	QG	4,280	-----	50e	9-23-71	-----	15.0	9-23-71	S	Channeled to stock pond. C, K 2,050 on 9-23-71.
26baa-1	BLM (USGS well PV6)	1976	9	2.5	4	QM	4,248.8	2.76	-----	9-30-76	1.030	20.0	9-30-76	0	Water level 1.35 ft below land surface on 6-14-77. C.
(B-4-17)4bbb-1	BLM (USGS well PV14)	1976	9	2.5	4	QM	4,245.2	2.15	-----	10- 1-76	1.055	20.0	10- 1-76	0	Water level 3.59 ft below land surface on 6-14-77. C.
6bbb-1	BLM (USGS well PV13)	1976	9	2.5	4	QM	4,243.4	1.84	-----	10- 1-76	1.155	21.0	10- 1-76	0	No halite on surface in fall of 1975; 0.03 in. on surface in fall of 1976. Water level 1.23 ft below land surface on 6-14-77.
(B-4-18)2bbb-1	Utah (USGS well PV12)	1976	9	2.5	4	QM	4,241.6	1.00	-----	10- 1-76	1.163	19.5	10- 1-76	0	No halite on surface in fall of 1975; 0.06 in. on surface in fall of 1976. Water level 0.29 ft below land surface on 6-14-77. C.
4bbb-1	BLM (USGS well PV11)	1976	9	2.5	4	QM	4,241.1	.83	-----	10- 1-76	1.198	18.5	10- 1-76	0	No halite on surface in fall of 1975; 0.1 in. on surface in fall of 1976. Water level 0.17 ft above land surface on 6-14-77.
6bbb-1	BLM (USGS well PV10)	1976	9	2.5	4	QM	4,240.9	.14	-----	10- 1-76	1.142	18.5	10- 1-76	0	No halite on surface in fall of 1975; 0.5 in. on surface in fall of 1976. Water level 0.31 ft above land surface on 6-14-77. C.
(B-4-19)1dcg-S1	-----	-----	-----	-----	-----	QG	4,255	-----	20e	9-23-71	-----	13.5	9-23-71	S	Discharge is for all springs and seeps in immediate vicinity; discharge from individual outlet sampled estimated 3 gal/min. K 620.
12acd-S1	Cut Field Spring 2	-----	-----	-----	-----	QG	4,255	-----	460	-----	-----	-----	-----	I,S	Diverted for irrigation of about 20 acres of grass meadow.
12dba-S1	Cut Field Spring 1	-----	-----	-----	-----	QG	4,257	-----	80	-----	-----	-----	-----	S	-----
13ddb-S1	-----	-----	-----	-----	-----	QG	4,256	-----	75e	9-23-71	-----	15.0	9-23-71	S	C.
24aac-S1	-----	-----	-----	-----	-----	QG	4,260	-----	5e	9-23-71	-----	14.0	9-23-71	D,S	K 310.
24abd-1	R. V. Anderson and sons	1961	52	12	-----	QG	4,276	12r	-----	8-17-61	-----	-----	-----	I	L2.
33ddb-S1	Town of Wendover	-----	-----	-----	-----	PU	5,430	-----	-----	-----	-----	-----	-----	P,I	Conveyed by pipeline to Wendover; surplus, if any, diverted for irrigation in sec. 36, T. 4 N., R. 19 W.
36abd-S1	D. Stephens	-----	-----	-----	-----	QG	4,260	-----	5e	9-23-71	-----	-----	9-23-71	S	K 2,500
36abd-S2	do.	-----	-----	-----	-----	QG	4,260	-----	5e	9-23-71	-----	15.5	9-23-71	S	K 2,500
36aca-S1	D. Stephens (Reed Spring)	-----	-----	-----	-----	QG	4,256	-----	10e	9-23-71	-----	16.0	9-23-71	S	Channeled to stock pond. K 2,650
36acc-1	D. Stephens (north irrigation well)	1946	68	8	-----	QG	4,300	13r	-----	4- 5-46	-----	16.0	9-22-71	I	C, L2.
36acd-S1	D. Stephens (Donner Spring)	-----	-----	-----	-----	QG	4,258	-----	200e	9-23-71	-----	15.5	9-23-71	S	Channeled to stock pond. Formerly used for irrigation. C, K 1,190 on 9-23-71. L2, W.
36dbb-1	D. Stephens	1955	93	12	-----	QG	4,305	26r	800p	7-10-55	-----	-----	-----	I	C, K 630 on 9-23-71.
36dcc-S1	do.	-----	-----	-----	-----	QG	4,265	-----	5e	9-23-71	-----	14.5	9-23-71	S	K 570.
(B-5-18)19dac-S1	-----	-----	-----	-----	-----	QG	4,261	-----	5e	9-23-71	-----	14.5	9-23-71	S	Spring in fenced enclosure; discharge channeled to rock-lined stock pond. C, K 440 on 9-22-71.
(B-5-19)36aca-S1	BLM (South Patterson Spring)	-----	-----	-----	-----	QG	4,265	-----	10e	9-22-71	-----	14.0	9-22-71	S	-----

Table 2--Water levels in selected observation wells

Water levels are given in feet above(+) or below land-surface datum.
Measurements by U.S. Geological Survey except those denoted by *, from Turk (1973).

BONNEVILLE SALT FLATS

(B-1-16)7ccb-1.	Records available 1976-77.		(B-1-17)28bbb-1.	Records available 1975-77.
Apr. 7, 1976	+0.10 Sept. 23, 1976	0.74 June 14, 1977	Dec. 10, 1975	0.10 Mar. 31, 1976
		0.54	Jan. 8, 1976	.46 May 10
(B-1-16)7ddaa-1.	Records available 1976-77.		Feb. 10	.25 July 13
Apr. 7, 1976	0.27 Sept. 22, 1976	0.98 June 14, 1977	Mar. 17	.16
(B-1-16)19aaa-1.	Records available 1976-77.		(B-1-17)28bbb-2.	Records available 1975-77.
Sept. 23, 1976	0.23 Jan. 5, 1977	0.27 June 14, 1977	Dec. 10, 1975	0.00 Mar. 31, 1976
		0.30	Jan. 8, 1976	.21 May 10
(B-1-16)19bab-1.	Records available 1976-77.		Feb. 10	.46 July 13
Sept. 22, 1976	1.08 Jan. 5, 1977	1.18 June 14, 1977	Mar. 17	.11
(B-1-17)2bbb-1.	Records available 1975-76.		(B-1-17)31aaa-1.	Records available 1975-76.
Dec. 10, 1975	+0.12 Mar. 17, 1976	0.04 July 13, 1976	Dec. 10, 1975	+0.04 Mar. 31, 1976
Jan. 8, 1976	.07 Mar. 31	.47 Aug. 12	Jan. 8, 1976	.21 Apr. 1
Feb. 10	.13 May 10	.24 Sept. 22	Feb. 10	.02 May 10
		.15	Mar. 17	.11
(B-1-17)3cca-1.	Records available 1976-77.		(B-1-17)31aaa-2.	Records available 1975-76.
Mar. 31, 1976	0.33 Sept. 22, 1976	0.19 June 15, 1977	Dec. 10, 1975	+0.03 Mar. 31, 1976
		+0.67	Jan. 8, 1976	.23 Mar. 31
(B-1-17)11aaa-1.	Records available 1975-77		Feb. 10	.01 May 10
Dec. 10, 1975	0.06 Mar. 31, 1976	0.18 Aug. 12, 1976	(B-1-17)31ddd-1.	Records available 1975-76.
Jan. 8, 1976	.04 May 10	.04 Sept. 24	Dec. 10, 1975	+0.01 Mar. 17, 1976
Feb. 10	.10 July 13	.24 June 15, 1977	Jan. 8, 1976	.29 Apr. 1
Mar. 17	.05	.16	Feb. 10	.28 May 10
(B-1-17)12cca-1.	Records available 1965, 1976-77.		(B-1-17)31ddd-2.	Records available 1975-76.
Nov. 7, 1965	*0.33 Sept. 23, 1976	0.60 June 15, 1977	Dec. 10, 1975	0.02 Mar. 17, 1976
Apr. 7, 1976	.06	0.33	Jan. 8, 1976	.16 Apr. 1
(B-1-17)12dcb-1.	Records available 1965, 1976-77.		Feb. 10	.02 May 10
Nov. 16, 1965	*0.17 Sept. 24, 1976	0.87 June 14, 1977	(B-1-17)33aaa-1.	Records available 1975-76.
Apr. 7, 1976	.06	0.25	Dec. 10, 1975	+0.03 Mar. 17, 1976
(B-1-17)12ddaa-1.	Records available 1965, 1976-77.		Jan. 8, 1976	.23 Mar. 31
Oct. 2, 1965	*0.01 Sept. 23, 1976	1.20 June 15, 1977	Feb. 10	.17 May 10
Apr. 5, 1976	.02	0.12		
(B-1-17)18baa-1.	Records available 1976-77.		(B-1-17)33aaa-2.	Records available 1975-76.
Apr. 2, 1976	1.76 Sept. 22, 1976	0.87 June 15, 1977	Dec. 10, 1975	0.04 Mar. 17, 1976
		0.74	Jan. 8, 1976	.09 Mar. 31
(B-1-17)19aaa-1.	Records available 1975-76.		Feb. 10	.10 May 10
Dec. 10, 1975	0.21 Mar. 17, 1976	0.34 July 13, 1976	(B-1-17)34ddd-1.	Records available 1965, 1976-77.
Jan. 8, 1976	.45 Mar. 31	.41 Aug. 12	Sept. 29, 1965	*0.16 Sept. 23, 1976
Feb. 10	.31 May 10	.12 Sept. 24	Apr. 8, 1976	.04 Jan. 5, 1977
(B-1-17)19aaa-2.	Records available 1975-76.		(B-1-17)34ccc-1.	Records available 1965, 1976-77.
Dec. 10, 1975	0.08 Mar. 17, 1976	0.24 July 13, 1976	Sept. 30, 1965	*0.48 Sept. 23, 1976
Jan. 8, 1976	.17 Mar. 31	.31 Aug. 12	Apr. 8, 1976	.17 Jan. 5, 1977
Feb. 10	.12 May 10	.14 Sept. 24	(B-1-17)34ccc-2.	Records available 1965, 1976-77.
		.60	Nov. 15, 1965	*0.97 Sept. 23, 1976
(B-1-17)22aaa-1.	Records available 1965, 1976-77.		Apr. 8, 1976	.31 Jan. 5, 1977
Oct. 4, 1965	*0.24 Sept. 23, 1976	0.58 June 15, 1977	(B-1-17)35dcc-1.	Records available 1976-77.
Apr. 5, 1976	.13 Jan. 5, 1977	.62	Apr. 8, 1976	1.09 Jan. 5, 1977
(B-1-17)22bbb-1.	Records available 1975-77.		Sept. 23	1.04
Dec. 10, 1975	0.08 Mar. 31, 1976	0.15 Sept. 24, 1976	(B-1-17)35dcc-2.	Records available 1965, 1976-77.
Jan. 8, 1976	.40 May 10	.06 Jan. 5, 1977	Nov. 15, 1965	*0.97 Sept. 23, 1976
Feb. 10	.25 July 13	.16 June 15,	Apr. 8, 1976	.31 Jan. 5, 1977
Mar. 17	.16 Aug. 12	.37	(B-1-17)36ddd-1.	Records available 1976-77.
(B-1-17)22bbb-2.	Records available 1975-77.		Apr. 8, 1976	0.40 Jan. 5, 1977
Dec. 10, 1975	+0.02 Mar. 31, 1976	0.13 Aug. 12, 1976	Sept. 23	.59
Jan. 8, 1976	.24 May 10	.14 Sept. 24	(B-1-18)22ddd-1.	Records available 1976-77.
Feb. 10	.06 July 13	.42 June 15, 1977	Apr. 2, 1976	5.35
Mar. 17	.18	.33		
(B-1-17)23aab-1.	Records available 1965, 1976-77.		(B-1-18)25aaa-1.	Records available 1975-77.
Oct. 2, 1965	*0.11 Sept. 23, 1976	1.67 June 15, 1977	Dec. 10, 1975	0.03 Mar. 31, 1976
Apr. 5, 1976	.65 Jan. 5, 1977	1.40	Jan. 8, 1976	.08 May 10
(B-1-17)23aba-1.	Records available 1965, 1976-77.		Feb. 10	.10 July 13
Oct. 4, 1965	*0.14 Sept. 23, 1976	1.73 June 15, 1977	Mar. 17	.24
Apr. 5, 1976	.62 Jan. 5, 1977	1.34		
(B-1-17)23bab-1.	Records available 1965, 1976-77.		(B-1-18)25aaa-2.	Records available 1975-77.
Sept. 28, 1965	*0.15 Sept. 23, 1976	1.20 June 15, 1977	Dec. 10, 1975	0.03 Mar. 31, 1976
Apr. 5, 1976	.48 Jan. 5, 1977	.94	Jan. 8, 1976	.08 May 10
(B-1-17)24aaa-1.	Records available 1965, 1976-77.		Feb. 10	.10 July 13
Nov. 16, 1965	*1.22 Sept. 23, 1976	1.90 June 15, 1977	Mar. 17	.24
Apr. 5, 1976	.87 Jan. 5, 1977	1.68		
(B-1-17)24abb-1.	Records available 1965, 1976-77.		(B-1-18)25aaa-2.	Records available 1975-77.
Nov. 16, 1965	*1.10 Sept. 23, 1976	1.78 June 15, 1977	Dec. 10, 1975	0.02 Mar. 31, 1976
Apr. 5, 1976	.95 Jan. 5, 1977	1.59	Jan. 8, 1976	.03 May 10
(B-1-17)24bbb-1.	Records available 1965, 1976-77.		Feb. 10	.03 July 13
June 17, 1965	*0.08 Sept. 23, 1976	0.99 June 15, 1977	Mar. 17	.23
Apr. 5, 1976	.41 Jan. 5, 1977	1.09		
(B-1-17)24aaa-1.	Records available 1965, 1976-77.		(B-1-18)29ddd-1.	Records available 1976.
Nov. 16, 1965	*1.22 Sept. 23, 1976	1.90 June 15, 1977	Apr. 2, 1976	12.80 Sept. 22, 1976
Apr. 5, 1976	.87 Jan. 5, 1977	1.68		12.62 June 15, 1976
(B-1-17)24abb-1.	Records available 1965, 1976-77.		(B-1-18)35aaa-1.	Records available 1976.
Nov. 16, 1965	*1.10 Sept. 23, 1976	1.78 June 15, 1977	Feb. 10, 1976	0.19 May 10, 1976
Apr. 5, 1976	.95 Jan. 5, 1977	1.59	Mar. 17	.02 July 13
(B-1-17)24bbb-1.	Records available 1965, 1976-77.		Mar. 31	.01
June 17, 1965	*0.08 Sept. 23, 1976	0.99 June 15, 1977	(B-1-18)35ccc-1.	Records available 1965, 1976-77.
Apr. 5, 1976	.41 Jan. 5, 1977	1.09	Sept. 30, 1965	*0.48 Sept. 23, 1976
(B-1-17)27adc-1.	Records available 1975-76.		Apr. 8, 1976	.17 Jan. 5, 1977
Dec. 10, 1975	0.07 Mar. 17, 1976	0.32 July 13, 1976	(B-1-18)35ccc-2.	Records available 1965, 1976-77.
Jan. 8, 1976	.37 Mar. 31	.34 Aug. 12	Nov. 15, 1965	*0.97 Sept. 23, 1976
Feb. 10	.27 May 10	.21 Sept. 23	Apr. 8, 1976	.31 Jan. 5, 1977
		1.15		
(B-1-18)25aaa-1.	Records available 1975-77.		(B-1-18)35ddd-1.	Records available 1976-77.
Dec. 10, 1975	0.02 Mar. 31, 1976	0.13 Aug. 12, 1976	Apr. 8, 1976	1.09 Jan. 5, 1977
Jan. 8, 1976	.04 May 10	.14 Sept. 24	Sept. 23	.59
Feb. 10	.06 July 13	.42 June 15, 1977	(B-1-18)22ddd-1.	Records available 1976-77.
Mar. 17	.18	.33	Apr. 2, 1976	5.35
(B-1-18)35aaa-1.	Records available 1976.		(B-1-18)25aaa-1.	Records available 1975-77.
Feb. 10, 1976	0.19 May 10, 1976	.08 Sept. 24	Dec. 10, 1975	0.03 Mar. 31, 1976
Mar. 17	.02 July 13	.49 June 15, 1977	Jan. 8, 1976	.08 May 10
Mar. 31	.01	.47 June 15, 1977	Feb. 10	.10 July 13
(B-1-18)35ccc-1.	Records available 1976.		Mar. 17	.24
Feb. 10, 1976	0.19 May 10, 1976	.08 Sept. 24	(B-1-18)25aaa-2.	Records available 1975-77.
Mar. 17	.02 July 13	.49 June 15, 1977	Dec. 10, 1975	0.03 Mar. 31, 1976
Mar. 31	.01	.47 June 15, 1977	Jan. 8, 1976	.08 May 10
(B-1-18)36ddd-1.	Records available 1975-77.		Feb. 10	.10 July 13
Dec. 10, 1975	+0.01 Mar. 31, 1976	0.19 Aug. 12, 1976	Mar. 17	.24
Jan. 8, 1976	.03 May 10	.05 Sept. 24	(B-1-18)25aaa-2.	Records available 1975-77.
Feb. 10	.07 July 13	.51 June 15, 1977	Dec. 10, 1975	0.03 Mar. 31, 1976
Mar. 17	.13	.06	Jan. 8, 1976	.08 May 10
(B-1-18)36cdd-1.	Records available 1975-77.		Feb. 10	.14 July 13
Dec. 10, 1975	+0.01 Mar. 31, 1976	0.19 Aug. 12, 1976	Mar. 17	.13
Jan. 8, 1976	.03 May 10	.05 Sept. 24	(B-1-18)36cdd-2.	Records available 1975-77.
Feb. 10	.07 July 13	.51 June 15, 1977	Dec. 10, 1975	+0.04 Mar. 31, 1976
Mar. 17	.13	.06	Jan. 8, 1976	.02 May 10
(B-1-18)36cdd-2.	Records available 1975-77.		Feb. 10	.14 July 13
Dec. 10, 1975	+0.04 Mar. 31, 1976	0.16 Aug. 12, 1976	Mar. 17	.13
Jan. 8, 1976	.02 May 10	.02 Sept. 24	(B-1-18)36cdd-2.	Records available 1975-77.
Feb. 10	.14 July 13	.50 June 15, 1977	Dec. 10, 1975	+0.04 Mar. 31, 1976
Mar. 17	.06	.05	Jan. 8, 1976	.02 May 10

Table 2.--Water levels in selected observation wells--continued

BONNEVILLE SALT FLATS--continued										
<u>(B-2-17)28ddd-1.</u> Records available 1976-77.						<u>(C-1-18)12ddd-2.</u> Records available 1975-77.				
Apr. 2, 1976	4.46	Sept. 21, 1976	3.93	June 15, 1977	3.82	Dec. 10, 1975	0.03	Apr. 1, 1976	0.34	Aug. 12, 1976
<u>(B-2-17)31ddd-1.</u> Records available 1976-77.						Jan. 8, 1976	.01	May 11	.12	Sept. 27
Apr. 2, 1976	5.96	Sept. 21, 1976	5.48	June 15, 1977	5.23	Feb. 10	.03	July 13	.55	June 15, 1977
<u>(C-1-17)2baa-1.</u> Records available 1976-77.						Mar. 17	.28			.24
Apr. 8, 1976	1.30	Jan. 5, 1977	0.70	June 15, 1977	0.47	<u>(C-1-18)14ccb-1.</u> Records available 1975-77.				
Sept. 23	.56					Dec. 10, 1975	0.77	Apr. 1, 1976	0.87	Aug. 12, 1976
<u>(C-1-17)5aaa-1.</u> Records available 1975-77.						Jan. 8, 1976	1.05	May 11	.35	Sept. 27
Dec. 10, 1975	+0.03	Apr. 1, 1976	0.07	Sept. 24, 1976	0.50	Feb. 10	.92	July 13	1.25	June 15, 1977
Jan. 8, 1976	.06	May 10	.04	Jan. 5, 1977	.99	Mar. 17	.80			+.03
Feb. 10	.10	July 13	.49	June 15	.47	<u>(C-1-18)14ccb-2.</u> Records available 1975-77.				
Mar. 17	.02	Aug. 12	.59			Dec. 10, 1975	1.16	Apr. 1, 1976	0.43	Aug. 12, 1976
<u>(C-1-17)5aaa-2.</u> Records available 1975-77.						Jan. 8, 1976	+.05	May 11	+.19	Sept. 27
Dec. 10, 1975	+0.04	Apr. 1, 1976	0.15	Aug. 12, 1976	0.60	Feb. 10	.04	July 13	.82	June 15, 1977
Jan. 8, 1976	.01	May 10	.20	Sept. 24	.50	Mar. 17	.03			+.07
Feb. 10	.07	July 13	.59	June 15, 1977	Dry	<u>(C-1-18)14cccb-1.</u> Records available 1975-77.				
Mar. 17	.00					Dec. 10, 1975	5.17	Apr. 1, 1976	4.81	Aug. 12, 1976
<u>(C-1-17)8ccc-1.</u> Records available 1976-77.						Jan. 8, 1976	5.48	May 11	4.09	Sept. 27
Apr. 1, 1976	0.14	Sept. 23, 1976	0.77	June 15, 1977	0.56	Feb. 10	5.19	July 13	5.76	June 16, 1977
<u>(C-1-17)12ccb-1.</u> Records available 1976-77.						Mar. 17	4.88			
Apr. 8, 1976	0.39	Sept. 23, 1976	0.64	June 15, 1977	0.58	<u>(C-1-18)14ccb-2.</u> Records available 1976-77.				
<u>(C-1-17)18ccb-1.</u> Records available 1975-76.						Apr. 1, 1976	0.57	Sept. 27, 1976	1.65	June 16, 1977
Dec. 10, 1975	1.25	Mar. 17, 1976	1.27	July 13, 1976	1.75	<u>(C-1-18)17bdb-1.</u> Records available 1975-77.				
Jan. 8, 1976	1.38	Apr. 1	1.42	Aug. 12	1.87	Dec. 10, 1975	+0.36	Apr. 1, 1976	0.36	Aug. 12, 1976
Feb. 10	1.41	May 11	.90	Sept. 27	2.01	Jan. 8, 1976	+.40	May 11	.41	Sept. 27
<u>(C-1-17)18cdc-1.</u> Records available 1976.						Feb. 10	+.25	July 13	.77	June 16, 1977
Feb. 10, 1976	5.40	Apr. 1, 1976	4.36	Aug. 12, 1976	6.13	Mar. 17	.32			
Mar. 17	4.56	July 13	6.01	Sept. 27	6.33	<u>(C-1-18)17bdb-2.</u> Records available 1976-77.				
<u>(C-1-17)21aba-1.</u> Records available 1965, 1976-77.						Apr. 1, 1976	1.36	Sept. 27, 1976	0.67	June 16, 1977
Nov. 5, 1965	+0.04	Sept. 28, 1976	1.49	June 16, 1977	1.23	<u>(C-1-18)17bdc-1.</u> Records available 1975-76.				
Apr. 6, 1976	1.35					Dec. 10, 1975	1.23	Apr. 1, 1976	1.71	July 13, 1976
<u>(C-1-17)24aaa-1.</u> Records available 1976-77.						Jan. 8, 1976	1.19	May 11	1.11	Aug. 12
Apr. 6, 1976	0.45	Sept. 27, 1976	0.55	June 16, 1977	0.96	Feb. 10	1.16	June 18	1.87	Sept. 27
<u>(C-1-18)lccc-1.</u> Records available 1975-76.						Mar. 17	1.67			
Dec. 10, 1975	+0.04	Mar. 17, 1976	0.16	July 13, 1976	0.51	<u>(C-1-18)18dca-1.</u> Records available 1975-77.				
Jan. 8, 1976	.15	Apr. 1	.20	Aug. 12	.52	Dec. 10, 1975	4.61	Apr. 1, 1976	4.79	Aug. 12, 1976
Feb. 10	.06	May 11	.13	Sept. 27	.60	Jan. 8, 1976	4.79	May 11	4.58	Sept. 27
<u>(C-1-18)lccc-2.</u> Records available 1975-76.						Feb. 10	4.80	July 13	4.85	June 16, 1977
Dec. 10, 1975	+0.07	Mar. 17, 1976	0.17	July 13, 1976	0.52	Mar. 17	4.78			
Jan. 8, 1976	.13	Apr. 1	.20	Aug. 12	.53	<u>(C-1-18)19adc-1.</u> Records available 1976-77.				
Feb. 10	+.05	May 11	.12	Sept. 27	.60	Apr. 6, 1976	4.11	Sept. 28, 1976	4.38	June 16, 1977
<u>(C-1-18)3bbb-1.</u> Records available 1975-76.						<u>(C-1-18)23bcc-1.</u> Records available 1976-77.				
Dec. 10, 1975	+0.10	Mar. 17, 1976	0.17	July 13, 1976	0.13	Apr. 6, 1976	3.80	Sept. 28, 1976	6.43	June 16, 1977
Jan. 8, 1976	.16	Apr. 1	.16	Aug. 12	.31	<u>(C-1-19)2ddd-1.</u> Records available 1976-77.				
Feb. 10	.29	May 11	.18	Sept. 27	.31	Apr. 1, 1976	4.72	Sept. 22, 1976	4.65	June 15, 1977
<u>(C-1-18)3bbb-2.</u> Records available 1975-76.						<u>(C-1-19)3ddaa-1.</u> Records available 1962-77.				
Dec. 10, 1975	0.06	Mar. 17, 1976	0.20	July 13, 1976	0.31	Aug. 8, 1962	0.53	Oct. 4, 1966	12.47	Mar. 6, 1972
Jan. 8, 1976	.04	Apr. 1	.21	Aug. 12	.39	Oct. 22	.64	Mar. 28, 1967	9.45	Sept. 11
Feb. 10	.05	May 11	.06	Sept. 27	.19	Mar. 7, 1963	4.22	Sept. 20	7.75	Sept. 11, 1973
<u>(C-1-18)3ddcc-1.</u> Records available 1975-77.						Mar. 15, 1964	7.61	Mar. 7, 1968	4.09	Mar. 5, 1974
Dec. 10, 1975	0.02	Apr. 1, 1976	0.34	Aug. 12, 1976	0.64	Feb. 26, 1965	*12.92	Sept. 18	3.34	Sept. 4
Jan. 8, 1976	.21	May 11	.06	Sept. 27	.72	Aug. 26	*18.32	Mar. 1, 1969	3.67	Mar. 3, 1975
Feb. 10	.31	July 13	.54	June 15, 1977	.15	Oct. 19	18.48	Sept. 15	5.19	Sept. 8
Mar. 17	.22					Nov. 30	*18.89	Mar. 10, 1970	5.91	Mar. 9, 1976
<u>(C-1-18)3ddcd-1.</u> Records available 1975-77.						Mar. 3, 1966	17.92	Sept. 9	5.02	Sept. 21
Dec. 10, 1975	0.02	Apr. 1, 1976	0.34	Aug. 12, 1976	0.64	May 7	*12.58	Mar. 1, 1971	3.23	Mar. 1, 1977
Jan. 8, 1976	.21	May 11	.06	Sept. 27	.72	June 18	*10.98	Sept. 20	3.71	June 14
Feb. 10	.31	July 13	.54	June 15, 1977	.15	Aug. 18	11.08			
Mar. 17	.22					<u>(C-1-19)3ddcc-1.</u> Records available 1962, 1964-77.				
<u>(C-1-18)3ddcc-2.</u> Records available 1975-77.						Aug. 8, 1962	+0.30	Mar. 28, 1967	8.46	Sept. 11, 1972
Dec. 10, 1975	0.00	Apr. 1, 1976	0.33	Aug. 12, 1976	0.63	Oct. 22	+.06	Sept. 20	7.08	Mar. 1, 1973
Jan. 8, 1976	.18	May 11	.21	Sept. 27	.66	Mar. 15, 1964	7.70	Mar. 7, 1968	2.94	Sept. 11
Feb. 10	.03	July 13	.63	June 15, 1977	.20	Feb. 26, 1965	*11.65	Sept. 18	2.36	Mar. 5, 1974
Mar. 17	.26					Aug. 26	*16.18	Mar. 1, 1969	2.73	Sept. 4
<u>(C-1-18)4ddcc-1.</u> Records available 1975-77.						Oct. 19	*17.35	Sept. 9	3.93	Mar. 3, 1975
Dec. 10, 1975	+0.06	Mar. 17, 1976	0.27	July 13, 1976	0.17	Mar. 3, 1966	16.83	Mar. 10, 1970	4.85	Mar. 9, 1976
Jan. 8, 1976	+.05	Apr. 1	.15	Aug. 12	.31	May 7	*11.26	Sept. 9	4.12	Sept. 21
Feb. 10	.06	May 11	.19	June 15, 1977	.22	June 18	*9.72	Mar. 1, 1971	1.99	Mar. 1, 1977
Mar. 17	.34					Aug. 18	*10.15	Sept. 20	2.23	June 14
<u>(C-1-18)11cccc-1.</u> Records available 1975-77.						Oct. 4	11.30	Mar. 6, 1972	1.78	
Dec. 10, 1975	0.13	Apr. 1, 1976	0.31	Aug. 12, 1976	0.73	<u>(C-1-19)10abb-1.</u> Records available 1962-1977.				
Jan. 8, 1976	.53	May 11	.08	Sept. 27	.89	Aug. 8, 1962	0.69	Mar. 7, 1968	3.35	Mar. 1, 1973
Feb. 10	.41	July 13	.57	June 15, 1977	.16	Oct. 22	.85	Sept. 18	3.27	Sept. 11
Mar. 17	.34					Mar. 7, 1963	3.93	Mar. 1, 1969	3.59	Mar. 5, 1974
<u>(C-1-18)11cccc-2.</u> Records available 1975-77.						Mar. 15, 1964	8.50	Sept. 15	3.98	Sept. 4
Dec. 10, 1975	0.14	Apr. 1, 1976	0.37	Aug. 12, 1976	0.75	Feb. 26, 1965	*12.07	Mar. 10, 1970	5.93	Mar. 3, 1975
Jan. 8, 1976	.45	May 11	.09	Sept. 27	.62	Aug. 26	*17.56	Sept. 9	5.17	Sept. 8
Feb. 10	.11	July 13	.62	June 15, 1977	.21	Oct. 19	19.12	Mar. 1, 1971	2.56	Mar. 19, 1976
Mar. 17	.36					Mar. 3, 1966	17.30	Sept. 20	2.55	Sept. 21
<u>(C-1-18)12ddd-1.</u> Records available 1975-77.						Oct. 4	11.97	Mar. 6, 1972	2.70	Mar. 1, 1977
Dec. 10, 1975	0.16	Apr. 1, 1976	0.41	Aug. 12, 1976	0.77	Mar. 28, 1967	9.47	Sept. 11	3.18	June 14
Jan. 8, 1976	.26	May 11	.13	Sept. 27	.80	Sept. 20	8.04			12.77
Feb. 10	.26	July 13	.67	June 15, 1977	.23					
Mar. 17	.33									

Table 2.--Water levels in selected observation wells--continued

BONNEVILLE SALT FLATS--continued						
<u>(C-1-19)24dca-1.</u> Records available 1965, 1976.				<u>(C-1-19)35bcd-1.--continued</u>		
Nov. 19, 1965	*4.59	Apr. 6, 1976	4.51	Sept. 28, 1976	5.23	July 20, 1976
<u>(C-1-19)35bcd-1.</u> Recorder operated from November 12, 1975 to August 24, 1976; from September 6, 1976 to March 2, 1977.				61.25	Oct. 10, 1976	52.67
Nov. 15, 1975	47.55	Feb. 15, 1976	47.20	Apr. 25, 1976	46.69	Dec. 20, 1976
Nov. 20	47.60	Feb. 20	47.06	Apr. 30	46.80	49.91
Nov. 25	47.58	Feb. 25	46.93	May 5	46.83	49.26
Dec. 5	47.59	Feb. 29	46.73	May 10	46.82	49.12
Dec. 10	47.57	Mar. 5	47.17	May 15	46.80	48.77
Dec. 15	47.48	Mar. 10	46.82	May 20	46.76	48.57
Dec. 20	47.50	Mar. 15	47.06	May 25	46.72	48.36
Dec. 25	47.46	Mar. 20	46.94	May 31	47.44	48.21
Jan. 5, 1976	47.19	Mar. 25	47.22	June 5	47.59	48.14
Jan. 10	47.10	Mar. 31	47.19	June 10	47.52	47.95
Jan. 15	47.44	Apr. 5	47.27	June 15	47.59	47.90
Jan. 31	47.06	Apr. 10	47.20	June 20	47.50	48.28
Feb. 5	46.66	Apr. 15	46.79	June 25	47.45	48.28
Feb. 10	47.04	Apr. 20	46.60	July 10	57.66	48.88
<u>(C-2-17)4aac-1.</u> Records available 1966, 1976-77.				<u>(C-2-17)16caa-1.</u> Records available 1966, 1976-77.		
Nov. 10, 1975	26.98	Mar. 3, 1976	25.45	June 4, 1977	31.91	Aug. 4, 1966
				*3.10	Sept. 28, 1976	3.52
					June 16, 1977	3.30
				Aug. 9, 1966	*0.11	Sept. 28, 1976
					1.20	June 16, 1977
						0.10
PILOT VALLEY						
<u>(B-4-19)36dbb-1.</u> Records available 1975-77.						
Nov. 10, 1975	26.98	Mar. 3, 1976	25.45	June 4, 1977	31.91	

Table 3.--Chemical analyses of water from selected wells and springs

Dissolved solids: Residue on evaporation at 180°C except c, calculated, or u, method of determination unknown.
 Source of analytical data: AE, U.S. Army Engineer Office; GS, U.S. Geological Survey; K, Kaiser Aluminum and Chemical Corp., San Leandro, Calif.

Location	Water-bearing zone (See table 1)	Date of collection	Temperature (°C)	Milligrams per liter																Density (g/ml. at 20°C)	Source of analytical data
				Dissolved calcium (Ca)	Dissolved magnesium (Mg)	Dissolved sodium (Na)	Dissolved potassium (K)	Bicarbonate (HCO ₃)	Dissolved sulfate (SO ₄)	Dissolved chloride (Cl)	Dissolved bromide (Br)	Dissolved boron (B)	Dissolved lithium (Li)	Hardness as CaCO ₃	Noncarbonate hard- ness at CaCO ₃	Dissolved solids					
BONNEVILLE SALT FLATS																					
(B-1-16) 7ddaa-1	QM	9-23-76	20.0	1,300	1,900	100,000	3,800	38	4,100	170,000	22	1.9	32	11,000	11,000	297,000	1.186	GS			
19aaa-1	QM	9-23-76	17.5	1,500	1,900	85,000	3,100	53	4,600	130,000	22	1.9	26	12,000	12,000	228,000	1.145	GS			
(B-1-17) 9dbb-1	QM	9-22-76	20.0	1,100	4,400	110,000	8,000	125	5,400	180,000	60	6.8	70	21,000	21,000	314,000	1.195	GS			
11aaa-1	QM	9-24-76	16.5	1,100	4,900	100,000	7,500	195	5,700	170,000	56	5.6	68	23,000	23,000	300,000	1.187	GS			
11aaa-3	QS	9-24-76	17.0	1,300	3,000	110,000	6,400	29	4,300	190,000	37	3.4	54	16,000	16,000	329,000	1.204	GS			
12dcb-1	QM	9-23-76	23.0	1,100	4,900	100,000	7,700	164	5,700	180,000	60	4.9	73	23,000	23,000	313,000	1.193	GS			
22aaa-1	QM	9-23-76	23.5	1,100	4,700	100,000	7,900	148	5,700	180,000	60	4.7	68	22,000	22,000	314,000	1.194	GS			
24bbb-1	QM	9-23-76	23.5	1,800	1,200	71,000	2,600	57	4,600	120,000	10	2.2	21	9,400	9,400	204,000	1.129	GS			
28bbb-1	QM	9-24-76	18.5	1,000	5,500	100,000	9,600	193	6,200	180,000	72	7.5	88	25,000	25,000	319,000	1.197	GS			
28bbb-2	QS	9-24-76	18.5	960	5,500	110,000	9,300	99	5,900	200,000	68	6.8	43	25,000	25,000	336,000	1.201	GS			
34ddd-1	QM	9-23-76	23.5	1,000	5,200	100,000	7,900	156	6,300	180,000	56	5.9	70	24,000	24,000	310,000	1.194	GS			
35dcc-1	QM	9-23-76	22.0	1,700	2,400	63,000	3,800	123	6,100	110,000	26	3.4	33	14,000	14,000	195,000	1.124	GS			
36ddd-1	QM	9-23-76	22.5	1,300	2,900	100,000	5,100	85	5,200	170,000	36	2.8	45	15,000	15,000	295,000	1.186	GS			
(B-1-18) 1cd-1	QM	9-22-76	20.5	330	330	24,000	1,800	195	1,600	40,000	11	4.0	11	2,200	2,200	70,200	1.045	GS			
13ccc-1	QM	9-22-76	21.0	1,200	1,900	88,000	3,600	42	4,500	150,000	32	1.9	30	11,000	11,000	249,000	1.156	GS			
25aaa-1	QM	9-24-76	18.5	1,300	2,800	110,000	4,900	90	4,400	190,000	30	4.2	43	15,000	15,000	317,000	1.198	GS			
25aaa-2	QS	9-24-76	19.0	1,800	1,700	120,000	4,000	40	3,800	190,000	14	3.1	29	12,000	11,000	324,000	1.202	GS			
29ccc-1	QG	3-29-72	28.0	91	71	2,200	130	180	240	3,400	--	.96	--	520	370	6,260c	----	GS ¹			
31ddd-1	QM	9-22-76	18.0	840	930	26,000	1,500	261	3,800	42,000	17	4.0	14	5,900	5,700	76,100	1.049	GS			
(B-2-16) 19ccc-1	QM	9-21-76	20.0	1,500	980	89,000	2,000	37	4,600	140,000	16	1.4	16	7,800	7,800	251,000	1.158	GS			
(B-2-17) 23ccc-1	QM	9-21-76	21.0	1,300	1,300	59,000	3,400	49	3,200	96,000	33	3.0	16	8,600	8,600	171,000	1.109	GS			
33cd-1	QM	9-21-76	22.0	780	990	48,000	1,900	66	2,200	76,000	11	1.1	17	6,000	6,000	133,000	1.086	GS			
(C-1-7) 5aaa-1	QM	9-24-76	22.0	1,100	5,300	100,000	8,000	167	5,800	180,000	58	5.7	75	25,000	24,000	305,000	1.192	GS			
8ccc-1	QM	9-23-76	22.5	1,100	5,700	100,000	9,200	140	5,300	180,000	64	6.8	90	26,000	26,000	312,000	1.196	GS			
12ccb-1	QM	9-23-76	23.0	1,100	3,400	110,000	5,700	75	5,500	190,000	44	3.9	51	17,000	17,000	329,000	1.205	GS			
21aba-1	QM	9-28-76	23.0	1,400	2,100	95,000	4,200	53	4,500	160,000	48	2.6	36	12,000	12,000	280,000	1.175	GS			
(C-1-18) 3bbb-1	QM	9-27-76	20.5	1,200	4,600	100,000	8,400	128	5,000	180,000	34	7.7	75	22,000	22,000	323,000	1.198	GS			
3bbb-2	QS	9-27-76	21.5	1,300	3,000	110,000	7,000	60	4,300	190,000	44	6.8	55	16,000	16,000	328,000	1.204	GS			
11ccc-1	QM	9-27-76	22.0	1,400	120,000	2,900	42	4,000	190,000	8	2.5	22	9,300	9,200	324,000	1.202	GS				
11ccc-2	QS	9-27-76	22.5	1,500	960	110,000	2,400	33	4,100	180,000	10	1.7	17	7,700	7,700	302,000	1.189	GS			
16dac-1	QM	9-27-76	22.0	1,100	3,900	110,000	7,000	122	5,000	190,000	40	6.6	61	19,000	19,000	321,000	1.199	GS			
17bdb-1	QM	9-27-76	21.5	1,100	4,100	110,000	7,600	101	5,100	180,000	52	7.0	69	20,000	20,000	317,000	1.195	GS			
19adc-1	QM	9-28-76	16.0	1,200	2,900	110,000	5,100	52	4,600	190,000	31	5.1	53	15,000	15,000	322,000	1.199	GS			
(C-1-19) 2abd-1	QG	3-29-72	24.5	79	63	2,000	120	212	190	3,100	--	--	--	460	280	5,700c	----	GS ²			
10bac-1	QG	9-8-67	31	100	80	2,100	100	---	300	3,700	--	--	1.2	----	----	----	----	K ³			
23cbc-1	QC	9-13-67	24.5	1,650	1,540	50,800	2,210	---	6,840	80,300	--	--	8.8	----	----	----	----	K ⁴			
34bcd-1	QC	9-13-67	28	1,760	1,540	45,400	1,980	---	6,590	76,800	--	--	17.6	----	----	----	----	K ⁴			
(C-2-17) 4aac-1	QM	9-28-76	21.0	1,200	980	70,000	1,900	37	3,600	110,000	84	1.5	16	7,000	7,000	196,000	1.125	GS			
16caa-1	QM	9-28-76	22.5	1,300	2,600	100,000	4,700	88	5,000	170,000	36	2.2	44	14,000	14,000	292,000	1.182	GS			
18abb-1	QM	9-28-76	21.5	1,100	6,900	88,000	11,000	171	6,500	160,000	76	7.4	110	31,000	31,000	291,000	1.180	GS			
(C-2-18) 1baa-1	QM	9-28-76	18.0	910	8,500	93,000	12,000	254	7,100	180,000	84	13	120	37,000	37,000	306,000	1.194	GS			
24ddd-1	QM	9-28-76	22.0	1,200	4,000	100,000	6,300	170	5,700	170,000	52	5.2	61	19,000	19,000	295,000	1.184	GS			
27ccb-1	QM	9-28-76	22.0	1,100	8,000	96,000	13,000	206	6,300	180,000	110	8.1	140	36,000	36,000	314,000	1.194	GS			
(C-2-19) 3bcd-1	QC	11-12-76	28.0	1,600	1,500	47,000	2,100	135	5,600	77,000	33	13	21	10,000	10,000	136,000	1.087	GS			
PILOT VALLEY																					
(B-2-18) 5	QM	9-30-76	18.0	270	410	20,000	1,200	447	1,100	34,000	8.4	6.8	11	2,400	2,000	56,500	1.036	GS			
(B-3-18) 8	QM	9-30-76	21.5	2,200	2,400	98,000	6,900	109	3,300	170,000	48	2.5	69	15,000	15,000	288,000	1.179	GS			
12	QM	9-30-76	21.5	1,200	1,400	67,000	4,300	188	2,300	110,000	28	3.5	38	8,800	8,600	192,000	1.122	GS			
(B-3-19) 11aaa-S	QG	3-13-43	----	----	----	----	----	----	----	27	--	--	--	----	----	1,130u	----	AE			
22cd-S	QG	3-13-43	----	----	----	----	----	----	520	--	--	--	--	----	----	48,600	1.030	GS			
26baa-1	QM	9-30-76	20.0	490	330	16,000	1,400	424	450	28,000	15	2.6	13	2,600	2,200	48,600	1.030	GS			
(B-4-17) 4bbb-1	QM	10-1-76	20.0	1,200	500	29,000	1,500	73	2,200	50,000	10	1.1	14	5,100	5,000	87,000	1.055	GS			
(B-4-18) 2bbb-1	QM	10-1-76	19.5	2,200	2,200	88,000	6,400	74	3,500	150,000	44	2.7	63	15,000	15,000	262,000	1.163	GS			
6bbb-1	QM	10-1-76	18.5	2,000	1,300	78,000	4,500	37	2,900	130,000	26	1.8	41	10,000	10,000	225,000	1.142	GS			
(B-4-19) 13ddb-S1	QG																				